

WAIKĪKĪ TRANSPORTATION MANAGEMENT ASSOCIATION



WAIKĪKĪ TRANSPORTATION MANAGEMENT
SPECIAL IMPROVEMENT DISTRICT

CURB LOADING MANAGEMENT PLAN

Data Collection Report

December 2021



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WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

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WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

The Role of the WTMA

The Waikīkī Transportation Management Special Improvement District (WTMSID) was created by Ordinance 17-58 under Chapter 36, Revised Ordinances of Honolulu 1990 (ROH) and signed into law on October 17, 2017. The WTMSID is the City and County's fourth Special Improvement District (SID) and is a Public-Private Partnership (P3).

The District is bounded by Kapahulu Avenue, the Ala Wai Canal, and the ocean. Fiscal Year 2020-2021 is the third full year of operation for the WTMSID. The WTMSID operates and is branded as the Waikīkī Transportation Management Association (WTMA) and is tasked with managing the WTMSID's projects and programs.

The purpose of the WTMA is to establish, identify, and implement the projects, programs, procedures, and technology that will serve Waikīkī with high-quality, multi-modal, transportation facilities and services. This is accomplished by supplementing the City's transportation operations including traffic operations, parking control and supply development, mobility enhancements for all modes of travel, physical and operational access improvements, information displays and the installation and maintenance of related electronic devices within Waikīkī.

The WTMA works closely with the City, the Waikīkī Improvement Association, the Waikīkī Business Improvement District, The Waikīkī Neighborhood Board, and many other organizations to constantly identify needed changes to the ROH.



The City's Department of Transportation Services crew installs security cameras in June 2020 at Kalākaua Avenue and Kaiolu Avenue. (photo credit: Wes Frysztacki)



The WTMA replaces street signs along Royal Hawaiian Avenue in conformance with the City's street sign plans prepared by the Department of Transportation Services. (photo credit: Wes Frysztacki)

WTMA Governing Organization

WTMA Board of Directors

Board members as of December 2021 include:

Nola Miyasaki, Director, City and County of Honolulu Department of Customer Services,
Designee of Mayor Rick Blangiardi
Councilmember Tommy Waters, Chair, City and County of Honolulu City Council
Roger Morton, Director, City and County of Honolulu Department of Transportation Services
Roger Babcock, Chief Engineer, City and County of Honolulu Department of Facility Maintenance
Andrew Kawano, City and County of Honolulu Budget and Fiscal Services Director
Major Mark Criccho, City and County of Honolulu Police Department
Rick Egged, President, Waikīkī Improvement Association
Bob Finley, Chair, Waikīkī Neighborhood Board
Gareth Sakakida, Hawaii Transportation Association
Connie Deguair, Hilton Hawaiian Village
Yasuhiko Ishikawa, Kyo-Ya Management Company
Mike Kobayashi, Kobayashi Travel
Maki Kuroda, E Noa Corporation
Todd Sismar, Anheuser-Busch
Kenji Takahashi, Travel Plaza Transportation

WTMA Officers

Chair: Rick Egged
Vice Chair: Maki Kuroda
President: Rick Egged
Vice Presidents:
 Bob Finley
 Gareth Sakakida
Treasurer: Chris Lee
Secretary: Layne Wada



Context and Acknowledgements

The WTMA has launched the Curb Loading Management Plan to address concerns about the level of compliance exhibited by vehicles loading freight and passengers without the appropriate permits and in violation of the City's existing traffic code. The content of this report focuses upon a few of the current hot spots. The locations selected include portions of Kalākaua Avenue, Seaside Avenue and Lewers Street.

Other hot spot locations exist but are not the subject of this report. Some of these have been investigated previously to varying levels of detail and successful resolution of some of the problems identified. The WTMA addressed problems along Royal Hawaiian Avenue primarily by painting curbs, installing signs and using HPD Special Duty officers for enforcement.

Ala Moana Boulevard is another passenger and freight commercial vehicle loading and unloading hot spot area, particularly between Hobron Avenue and Kālia Road along both sides of the boulevard. Both passenger and freight commercial vehicles violate the no parking regulatory signs. Passenger commercial vehicle activity was very high in front of the Ilikai in the past. WTMA needs to find a replacement for this important commercial passenger vehicle activity.



Appreciation and acknowledgement is given to the private sector that has directly funded these investigations, especially ENoa Corporation and Outrigger Enterprises. Please visit the WTMA website for further information.

Executive Summary

The WTMA has launched the Curb Loading Management Plan to address concerns about the level of compliance exhibited by vehicles loading freight and passengers without the proper permits and often in violation of regulatory curb signs and other parts of the City's traffic code.

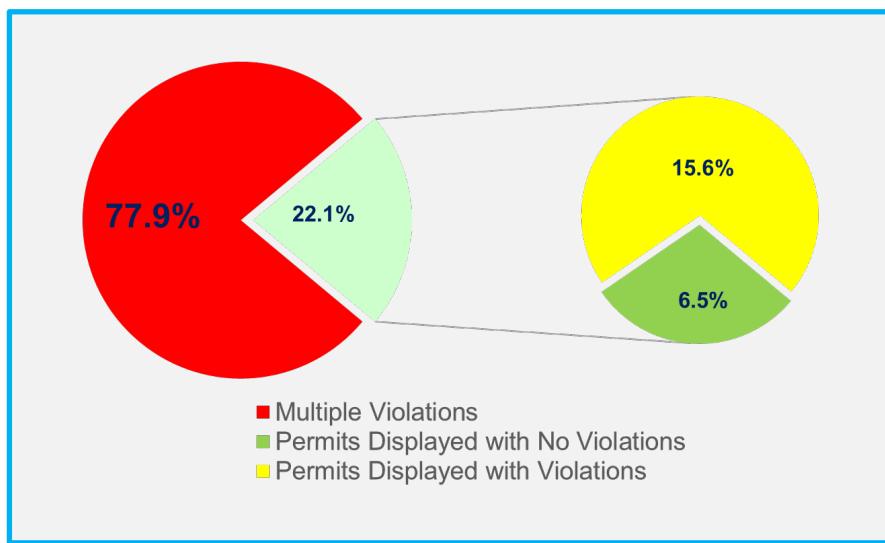
At their September 2021 meeting the WTMA Board reviewed the status of the Curb Loading Management Plan and expressed concerns about some of the initial field observations contained in this report. Over 200 vehicles were observed either performing loading and unloading operations or using a regulated loading zone inappropriately. Only 6.5% of the vehicles were fully compliant with all applicable regulatory provisions as specified in the Revised Ordinances of Honolulu and as communicated by the applicable regulatory signs.



WAIKĪKĪ COMMERCIAL VEHICLE LOADING ZONE ACTIVITY SUMMARY

At Three Hot Spot Loading Zone Locations

DATA COLLECTED FROM APPROXIMATELY 8:00 AM TO 10:00 AM, AUGUST AND SEPTEMBER 2021



Another 15.6% of the observed vehicles displayed the necessary City and County of Honolulu Commercial Vehicle Permit and the Waikīkī Special Improvement District (SID) Permit but were committing some traffic code violations such as exceeding a time limit or parking outside of the curbside loading zone. The other 77.9% of all observed vehicles lacked the proper SID permit.

Observations Conducted Along Three Waikīkī Corridors



The field observations have been ongoing for the past five years with an update conducted in August and September of 2021 along three major loading and unloading corridors in Waikīkī – Kalākaua, Seaside and Lewers.

Along Kalākaua there are twenty identical no parking signs listing the limitations along the mauka curb: “no stopping, no standing, no loading, no unloading.” The exception is for “freight vehicles with permit only” from 10:00 PM to 9:00 AM. These time-of-day restrictions are routinely ignored.

Typically, over twenty commercial freight vehicles exceed the 9:00 AM exception every day. This restriction is in place to avoid conflicts with general purpose traffic and pedestrian activity which increases after 9:00 AM. Safety is the greatest concern about this situation.

About 22.5% of all freight loading exceeds the 30-minute maximum. About 6.5% of freight commercial vehicles are parked for over 100 minutes. These long durations serve to deny others use of the limited loading zone capacity and force other vehicles to park in violation of the City’s traffic code to make their deliveries. Passenger commercial vehicles tend to load and unload their passengers more quickly and have not been observed exceeding the applicable time limitation for those areas designated as commercial passenger loading zones although occasionally a commercial freight vehicle is observed encroaching into a passenger loading zone.

Lewers Street illustrates another hot spot that has been the subject of recent complaints to the City. No parking is allowed along both sides of Lewers Avenue between Don Ho Lane and Helumoa Road. There are no exceptions identified on the City’s regulatory signs which are abundantly posted. The no parking restriction applies to all vehicles at all hours on all days. These signs are frequently disregarded by freight and passenger loading and unloading activity as illustrated in the pictures below.



WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

Actions Being Taken

Actions are needed and are being taken. Safety is a major concern as vehicle drivers must keep an eye on their deliveries or their passengers and not the oncoming traffic which often has sight distance obscured by randomly positioned vehicles. Passengers are usually unloaded into the oncoming traffic and either walk along the travel lane or across the roadway in front of oncoming vehicles. This is not the vision for Lewers when the Beachwalk development project was proposed twenty years ago.

The next actions being taken by the WTMA include an extensive communications program, an enforcement program, examining possible regulatory changes and better vehicle management practices. The communications program started with a presentation at the WIA Board of Directors September meeting. Other presentations are being scheduled with over eight different City and County of Honolulu Departments, the Hawaii Transportation Association, commercial vehicle operators, property owners, tenants, and the Waikīkī Neighborhood Board.



The enforcement program is to occur immediately following the review of the observations of this report with the participating entities including the Honolulu Police Department. The WTMA has budgeted funds to support targeted enforcement of traffic code violations where the most predominant concerns have been raised. City Council Chair Waters has received complaints about the traffic code violations in Waikīkī. WTMA has assured the Chair that corrective actions are being taken.

The examination of possible regulatory changes and better management practices will consider the answers to questions being asked such as "Are existing regulatory time restrictions reasonable?" It has been suggested that the existing time limit exception for permitted commercial vehicles along Kalākaua Avenue be extended from 9:00 AM to 10:00 AM or 11:00 AM.

Analysis will be conducted to determine if the increase in general purpose traffic and pedestrian volumes warrant consideration of a time extension to make some existing loading operations legal.

Analysis will also be conducted to determine if the predominant 30-minute loading time limit restriction should be sub-divided into shorter and longer time periods to better match existing permitted commercial vehicle loading requirements.

Another suggestion to be investigated is to make the location of curbside loading zones and curb restricted zones clearer by painting the curb with different colors.

Many other ideas have been suggested and will be gathered during the communications program. Another action within the current plan is to conduct a pilot loading zone demonstration. A test area will be identified where a set of proposals under consideration will be tested. Candidate participants and revised rules will be identified. The test will likely include the installation of special markings, signs and the use of advanced vehicle detection technologies.



Introduction

The WTMA, in providing additional management to Waikīkī loading zones, is partnering with many City departments to better understand the problems and how to solve them. Our efforts are responding to many complaints. Those complaints are often accompanied by specific references to a single site and a single situation involving an assortment of vehicles. The WTMA is aware of those problems.

Unfortunately, the problem is bigger and far more complex than captured by a single complaint or traffic code violation. The problem is not new and has become more impactful over time. The exception is that during the pandemic the problem essentially disappeared as the Waikīkī economy collapsed. Now, there is more urgency than ever to do something. This document is a step in response to that challenge. The WTMA is poised to respond to the problems. To do so, it is important to understand if the problems are the same, if they have changed in magnitude or if they have changed in their character.

Many solutions have been proposed, a few have been implemented and many more are under consideration. The most significant solution is the new SID permit which will allow the WTMA to provide funding for Honolulu Police Department Special Duty to schedule ongoing additional enforcement. This is possible due to the passage of Bill 38 (2019) and the funds made available to WTMA by the City.

In addition to increased loading zone management, WTMA is continuing to identify problem areas using the data from this report and other sources. This will allow the WTMA to develop remedial actions (active management). Some actions may require changes to current ordinances and application of new technologies. To develop such solutions the WTMA is developing a Loading Zone Demonstration Project. Program elements include:

- ❖ *Develop App to reserve zones and identify where open zones are available.*
- ❖ *Detect vehicles that are overstaying limits providing active management.*
- ❖ *App to notify business when their deliveries have arrived.*
- ❖ *Identify new zone locations.*
- ❖ *Collect operations and conduct data analysis of loading zone use.*
- ❖ *Identify locations for shared zone (by time of day).*
- ❖ *Ongoing management and enforcement.*



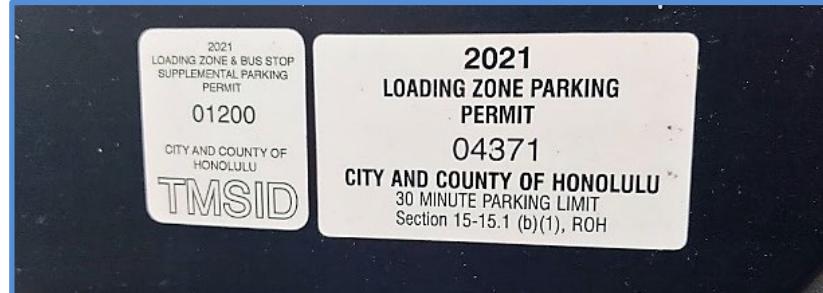
WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

The Waikīkī Transportation Management SID Permit Status

The WTMA, in providing additional management to Waikīkī loading zones, is partnering with the City's Department of Customer Services and Department of Transportation Services to better value commercial vehicle parking zones through an expanded vehicle permit program.

The increase in fees resulted in fewer issued permits (10,000 per year down to 5,272 by the end of February 2020). Although the number of permits issued is down overall annual revenues are higher; however, more recent numbers are heavily influenced by the fluctuations in commercial vehicle freight and passenger activity due to the COVID 19 pandemic.

- Permit numbers for calendar year 2021 started out lower due to COVID 19.
- The Waikīkī supplemental permit requirements initially lowered the number of illegally parked vehicles in Waikīkī commercial vehicle loading zones, numbers are now starting to increase.
- The WTMA continues to monitor loading zone utilization and if commercial vehicles using those zones are displaying all required permits.
- The WTMA program and budget includes increased management for FY 2022.



The Revised Ordinances of Honolulu specifies that the supplemental permit "...shall be placed on the right bumper or such other place on the vehicle as may be approved by the director of transportation services."



Methodologies To Conduct Fact Finding Observations

The WTMA uses many data gathering techniques to collect observations regarding commercial passenger and freight loading and unloading activity and how such activity is compliant with the City's traffic code. Our highest priority is to provide a safe and pleasant environment for visitors, employees, and residents.

The most valuable technique has been the use of time-lapse photography. Multiple cameras have been deployed at many locations to record hot spot activity continuously for 24 hours a day over several days. Hundreds of thousands of images have been captured that vividly portray incidences that convey problems in ways numerical data cannot. None-the-less, data is critical to communicating issues. The WTMA has maintained a continuing collection of current curb use demand by vehicle identification, time of arrival and departure, location, and other pertinent data.

Data is collected to inform the development of future ongoing electronic surveillance and periodic performance monitoring tasks performed by the WTMA. Data is collected to document actual vehicle loading activity (whether in an official loading zone or not including double parking activity), permits displayed (including permit number and eligibility year), incompatible activity in conflict with loading zone proper and safe utilization, the length of time vehicles are parked for loading activity, graphical displays to portray loading activity, and other data collection variables to allow a full understanding of the current environment, safety concerns and other issues.

Sufficient information is collected to identify observed pathways followed by those making deliveries from commercial freight vehicles to singular or multiple destinations. Traffic movement conflicts are identified whenever possible.

Extensive data has been, and continues to be, collected on the vehicles using the targeted hot spot loading zone areas. During specific time periods vehicles are identified by license plate number, operator name, PUC number, City permit, SID permit, arrival time, departure time, location, and any traffic code violations.

This report contains results of photographic monitoring, data collection, and professional observations regarding the problems occurring in the areas investigated. The appendix includes data tables for the most recent observations made during mid-to-late 2021. The report includes both recent and past photographic observations.



Data Collection Summary Results

The table on the following page includes a summary of the vehicle activity recorded between approximately 8:00 am and 10:00 am at three hot spot locations in Waikīkī. The data was collected during the months of August and September in 2021. The three hot spot locations are as follows: 1) Kalākaua Avenue between Lewers Street and Lilioukalani Avenue, 2) Seaside between Kalākaua and Kūhiō Avenues, and 3) Lewers between Kūhiō Avenue and Kālia Road. Each of these data collection efforts is reported separately in subsequent sections to this report. The data is accompanied with photographic observations made either during the same time period or in prior years.

Collectively, there are several major results of the data collection and field observations:

- **Permit Compliance Is Low.**
 - Around 22% have a City and SID permit.
 - Another 30% have a City permit but no SID permit.
- **Time Limits Are Routinely Ignored.**
 - About 22% of all vehicle loading exceeds the 30-minute posted time limit.
 - About 7% of all freight commercial vehicles are parked for over 100 minutes.
 - Passenger commercial vehicles are not exceeding three minutes.
- **Time of Day Restrictions Are Ignored.**
 - Typically, around 20 commercial freight vehicles exceed the 9:00 AM exception to the no parking signs along the mauka side of Kalākaua each day.
- **Too Few Commercial Vehicles Are Compliant.**
 - About 12% of all vehicles observed violated some part of the traffic code other than the permit requirements.
 - Only 7% of all vehicles observed were fully compliant with all applicable regulations.



WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

WAIKĪKĪ COMMERCIAL VEHICLE LOADING ZONE ACTIVITY SUMMARY

At Three Hot Spot Loading Zone Locations

DATA COLLECTED FROM APPROXIMATELY 8:00 AM TO 10:00 AM, AUGUST AND SEPTEMBER 2021

STATISTICS	DATE					TOTAL	
	8/23	8/24	8/30	8/31	9/1	Number	Percent
Observed Vehicles In Loading Area (see description below)	29	31	42	65	69	236	
Official City Vehicles In Loading Area, not included	1	2	1	0	1	5	2.1%
Commercial Freight Vehicles In Loading Area	27	24	17	16	30	114	48.3%
Commercial Passenger Vehicles (taxis) In Loading Area	0	0	8	10	8	26	11.0%
Commercial Passenger Vehicles (buses) In Loading Area	0	0	3	6	0	9	3.8%
Non-Commercial Vehicles In Loading Area	1	5	13	33	30	82	34.7%
Vehicles In Loading Area included in analysis below	28	29	41	65	68	231	
Vehicles Fully Compliant with all ROH being observed	3	1	3	8	0	15	6.5%
Vehicles with City & SID Permit	12	13	9	9	8	51	22.1%
Vehicles With City Permit	14	20	11	10	14	69	29.9%
Parked Over 30 Minutes	10	10	5	7	20	52	22.5%
Parked Over 45 Minutes	5	5	4	4	18	36	15.6%
Parked Over 100 Minutes	2	2	2	0	9	15	6.5%
Parked After 9:00 AM	20	19	29	41	32	141	61.0%
Other Code Violations	5	8	10	2	2	27	11.7%
4 -- within 10 feet of a fire hydrant	0	0	3	0	1	4	1.7%
5 -- on a crosswalk	1	0	1	0	1	3	1.3%
6 -- within 20 feet of a crosswalk	2	3	2	0	0	7	3.0%
7 -- within 30 feet of a flashing beacon or stop sign	0	0	0	0	0	0	0.0%
8 -- within 75 feet of an approach at a traffic signal	1	1	4	2	0	8	3.5%
9 -- within 30 feet of the far side of a traffic signal	1	2	0	0	0	3	1.3%
14 -- On the roadway side of any vehicle stopped or parked at the edge or curb of a roadway (double-parked).	0	2	0	0	0	2	0.9%

Data Collected At These Loading Areas By Date:

8/23 -- Kalākaua Avenue - mauka curb between Lewers Street and Lilioukalani Avenue
 8/24 -- Kalākaua Avenue - mauka curb between Lewers Street and Lilioukalani Avenue
 8/30 -- Kalākaua Avenue - makai curb between Lewers Street and Lilioukalani Avenue
 8/31 -- Seaside Avenue - both curbs between Kalākaua and Kūhiō Avenues
 9/01 -- Lewers Street - both curbs between Kūhiō Avenue and Kālia Road

Kalākaua Avenue Commercial Vehicle Loading Zone Activity

Data was collected on three days in August 2021. The data is summarized in the first three columns in the table on the previous page. Subsequent pages in this section draw upon other examinations of the Kalākaua Avenue Commercial Vehicle Loading Zone Activity issues from previous investigations.



The first two columns in the table are for activity along the mauka curb between Lewers and Lili'oukalani Avenues in the table on the previous page. Data for this hot spot area was collected on August 23 and 24 between 8:00 am and 10:00 am. The governing curb restriction along this section is illustrated by the picture to the lower left of this page. The restriction is clearly posted on nineteen of these identical signs between Kūhiō and Lili'oukalani Avenues. There can be no doubt as to how this curb is regulated – proper permits are required!

The picture on the lower right side of this page is located on the makai side of Kalākaua Avenue. It has the same time restrictions for freight – 10:00 pm to 9:00 am. The sign allows commercial passenger vehicle loading anytime. These two activities are often in conflict with each other as can be derived from the third column in the table. Since there is great complexity to the activity on the makai side of Kalākaua a special emphasis is placed on this location in this report.

Furthermore, what is sometimes referred to as the furniture and landscaping cross-section or zone between the Kalākaua roadway curb and the edge of the meandering sidewalk is not conducive to freight or passenger loading activity on either side of Kalākaua Avenue. Freight loading along the mauka Kalākaua Avenue curb is both not allowed after 9:00 am and physically discouraged by the absence of curb cuts and ramps. None-the-less, freight loading activity is abundant after 9:00 am everyday of the week. It has been this way for many years as will be demonstrated in this section of the report.



Kalākaua Avenue Mauka Curb Data

The table with the summary statistics includes 29 vehicle observations for 8/23 and 31 for 8/24 for the mauka curb between Lewers and Lilioukalani Avenues along Kalākaua Avenue. The data in the two columns for these two dates is very enlightening if one wants to understand the concerns being raised. After 9:00 am, 20 of the 29 vehicles observed starting at 8:00 am were still parked. Excluding one City vehicle, that becomes 20 of 28 commercial freight vehicles – a total disregard for the City's regulatory signage.

Drivers of these vehicles, regardless of their permit compliance, seem to have no concern about enforcement. This is an environment that has been observed and statistically recorded on numerous occasions. On a rare occasion HPD violation tickets may be issued, but very few were observed during WTMA field surveillances.

Commercial freight vehicle operators are willing to risk a ticket because it is widely accepted that this is simply the cost of doing business. Unfortunately, HPD tickets have no positive influence. The citation fee is paid, the revenue goes to the state and the practice that was in violation continues. Deliveries must occur for Waikīkī to function. It has become accepted practice to make deliveries after 9:00 am because many of the retail businesses and restaurants are not open until after 9:00 am. Employees who must be available to receive a delivery have a shift beginning after 9:00 am.

The City regulates the way it does because many factors are influencing such regulations. Accommodating shifting general purpose vehicle traffic demand is one. Another is the shifting of the use of the public right-of-way over time from vehicles to people. The great concern that most significantly influences street and curb regulation is safety.

No data can adequately communicate how safety for all of those using a public right-of-way is being compromised. The greatest weakness of traffic analysis is that it is often driven by crash statistics when it was evident a problem existed before human life was in jeopardy. Such is the case along Kalākaua with freight deliveries having to be made after 9:00 am to accommodate the whims of delivery parameters while visitor movements along this internationally famous street are rapidly increasing after 9:00 am. Ironically, one of the greatest concerns is for the drivers of the commercial vehicles. Their safety is in peril.



Kalākaua Avenue Mauka Curb Traffic Conflicts

There are far too many anecdotal illustrations that can be offered to illustrate the safety conflicts along Kalākaua Avenue. A predominant situation exists with commercial freight vehicles parking on the mauka side of Kalākaua desiring to make deliveries to customers on the makai side. This is a situation that is difficult to capture by data collection alone.

An approach to observing and documenting this and other problems needs to be used that can trace what commercial freight vehicle drivers are making deliveries to what customers at what times and for what reasons. This requires a large amount of dogged investigative work that a government agency is typically not equipped or positioned to perform. Thankfully, the WTMA has been challenged by the City to get to the bottom of the problems and identify solutions.

One clue is shown in the picture below. Why is the vehicle on the left of the picture on the mauka side of Kalākaua making deliveries to the makai side of Kalākaua when there is a freight loading zone with a thirty-minute time limit readily available on the makai side of Kalākaua?



Could it be that the vehicle occupying the thirty-minute loading zone on the makai side of Kalākaua Avenue has been there for over thirty minutes; thereby, denying others use of that curb space? This report provides answers to such questions.

Other observations along the mauka curb of Kalākaua Avenue raise similar questions, many still to be answered. For example, why is a Honolulu Disposal Service trash truck violating so many traffic code regulations as shown on the following pages? Perhaps the customers filling the full bins are somehow encouraging this type of trash collection? The purpose of the WTMA's Loading Zone Management Plan is to get answers, understand the problems and provide solutions. To do so requires a robust communications effort.

WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

KALĀKUA AVENUE MAUKA CURB TIME SERIES TRAFFIC OBSERVATIONS

DATA COLLECTED ON MONDAY, 7-12-2021

Honolulu Disposal Service



2:42 PM –

The mauka curb side of Kalākaua Avenue is clear of any parked vehicles in conformance with the abundantly posted “NO PARKING” regulatory signage with one exception in the distance – a Honolulu Disposal Service truck located in the center of the orange circle.



2:50 PM –

Eight minutes later the Honolulu Disposal Service is still the only vehicle violating the “NO PARKING” regulation.



2:53 PM –

Eleven minutes later the Honolulu Disposal Service is still the only vehicle violating the “NO PARKING” regulation as shown by the sign circled in red.



3:00 PM –

Eighteen minutes later the Honolulu Disposal Service is still the only vehicle violating the “NO PARKING” regulation as shown by the sign circled in red.

WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

KALĀKUA AVENUE MAUKA CURB TIME SERIES TRAFFIC OBSERVATIONS

DATA COLLECTED ON MONDAY, 7-12-2021



3:03 PM –

Pedestrians pass by the trash truck as the driver without any assistance tries to maneuver five trash bins so they can be loaded into the truck.



3:04 PM –

More pedestrians pass by the trash truck as the driver lifts a bin so that it can be dumped into the truck.



3:06 PM –

The driver is unsuccessful in maintaining control over the trash bins. Pedestrians avoid the area as noise and stray trash consume the area. A bin topples over spilling trash onto the sidewalk.



3:08 PM –

Pedestrians continue to avoid the area as the driver dumps bins resulting in trash being spilled and blown around without any pedestrian safety measures being taken.

Honolulu Disposal Service

WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

KALĀKUA AVENUE MAUKA CURB TIME SERIES TRAFFIC OBSERVATIONS

DATA COLLECTED ON MONDAY, 7-12-2021

Honolulu Disposal Service



3:17 PM –

More than 30 minutes after arrival the trash truck still has trash strewn all over Kalākaua Avenue and the sidewalk.



3:17 PM –

During this time period the trash truck is the only vehicle violating the parking restrictions. The truck's position blocks the ability of oncoming traffic from being able to see the dedicated left turn arrows on the pavement.



3:18 PM –

HPD vehicles parked within 400 feet of the trash truck operation.



3:19 PM –

HPD vehicles are authorized to park along the portion of the Kalākaua Avenue curb across from the HPD Waikīkī sub-station.

WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

Kalākaua Avenue Maikai Curb Data and Observations

The Kalākaua Avenue makai curb has far more variety than the mauka curb. The most significant hot spot area along the Kalākaua makai curb occurs between the Moana Surfrider Hotel and the Royal Hawaiian Shopping Center. There are two curb cuts used by larger freight vehicles for deliveries but also by taxis and other vehicles picking up and dropping off passengers. These are identified in the figure below as loading zones #1 and #2.

KALĀKAUA AVENUE MAKAI CURB TIME SERIES TRAFFIC OBSERVATIONS

LOADING ZONE LOCATIONS

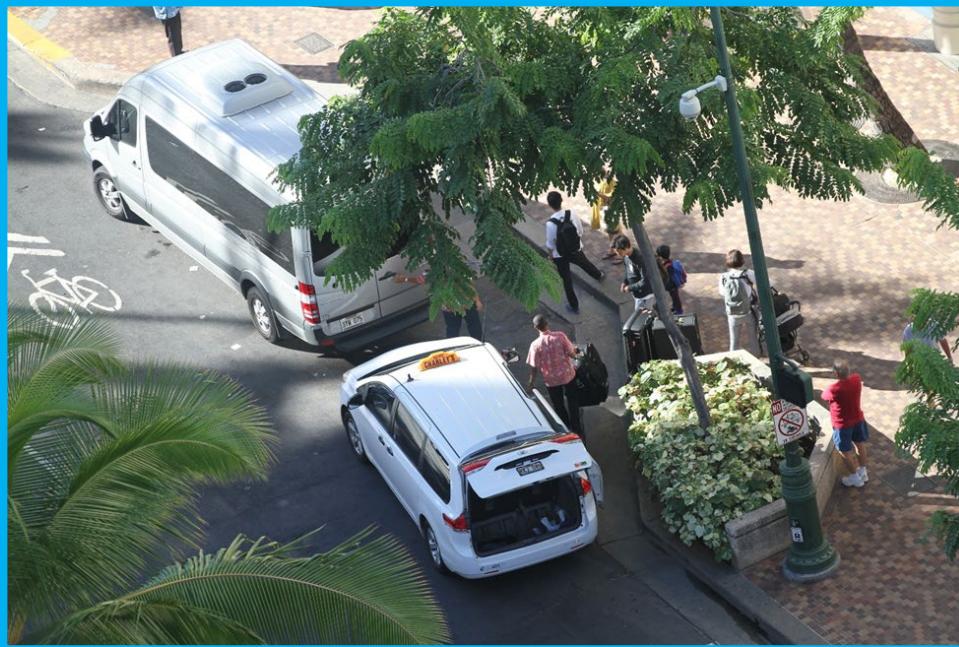
DATA COLLECTED ON FRIDAY, 9-1-2017, 24 HOURS



A corner room in the Holiday Inn Resort Waikīkī Beachcomber was used to record 24 hours of time lapse photography to present a clear picture of current activity along the front of the Resort. The vantage point provided full coverage of activity within and adjacent to the loading zones. Cameras were set up to record all activity beginning just before midnight on Thursday, August 31, 2017 and continuing through midnight on Friday, September 1, 2017. It had been determined previously that Fridays had the most activity.

WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

KALĀKUA AVENUE MAKAI CURB TIME SERIES TRAFFIC OBSERVATIONS LOADING ZONE #1



LOADING ZONE #2



WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

The Kalākaua Avenue makai curb space was divided into six contiguous data collection zones such that all vehicle activity along this stretch of roadway stopping for any curb related reason could be recorded regardless of whether that activity occurred within one of the two regulated loading zones.

- Zone A – Moana Surfrider Hotel frontage. Zone A was further subdivided into two parts; 1) for vehicles observed in the Diamond Head portion of the zone and 2) for vehicles observed in the Ewa portion of the zone.
- Zone B – Outrigger Waikīkī Hotel driveway. This study zone had three sub-parts: 1) for vehicles observed in the outbound direction, 2) those inbound, and 3) those on a portion of the driveway curb or double parked.
- Zone C – Loading Zone #1. This short loading zone (approximately 20-feet excluding the tapers on either side) can accommodate one vehicle although two or more are sometimes observed using the space by double parking. The sign to the right regulates the space as a no parking curb except vehicles with permit actively loading and unloading. Commercial passenger vehicles may use the loading zone anytime. Freight commercial vehicles may only use the zone from 10:00 pm to 9:00 am.
- Zone D – Crosswalk. This is a mid-block signalized crosswalk connecting the International Market Place with the Outrigger Waikīkī . The study zone was established to clearly record how often a vehicle used the crosswalk for loading.
- Zone E – Loading Zone #2. This loading zone (approximately 50-feet excluding the tapers on either side) can accommodate one large or two small vehicles although two large or more smaller vehicles are sometimes observed using the space by double parking. The sign regulates the space as a no parking curb except vehicles with permit actively loading and unloading. Commercial passenger vehicles may use the loading zone anytime. Freight commercial vehicles may only use the zone from 10:00 pm to 9:00 am.
- Zone F – Royal Hawaiian Shopping Center Dock. This study area was developed to record two types of activity: 1) vehicles adjacent to the dock and 2) vehicles adjacent to the street (sometimes staged while awaiting another vehicle to clear away from the dock).



Kalakaua Avenue makai curb with the Outrigger Waikiki hotel driveway (study zone B), Loading Zone #1 (study zone C) and the crosswalk to the International Market Place (study zone D).

Two cameras were used simultaneously to take a picture every five (5) seconds from a single stationary location. Street level pictures were taken periodically to supplement the data captured by the time-lapse photography. Altogether, 17,563 images were taken over a 24-hour period. The data gleaned from the pictures were summarized in five-minute increments and the resultant tables are included in the appendix. The summary table shows that 1,482 vehicles were observed using the zones peaking in the afternoon hours.

WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

KALĀKUA AVENUE MAKAI CURB TIME SERIES TRAFFIC OBSERVATIONS LOADING ZONE ACTIVITY

DATA COLLECTED ON FRIDAY, 9-1-2017, 24 HOURS

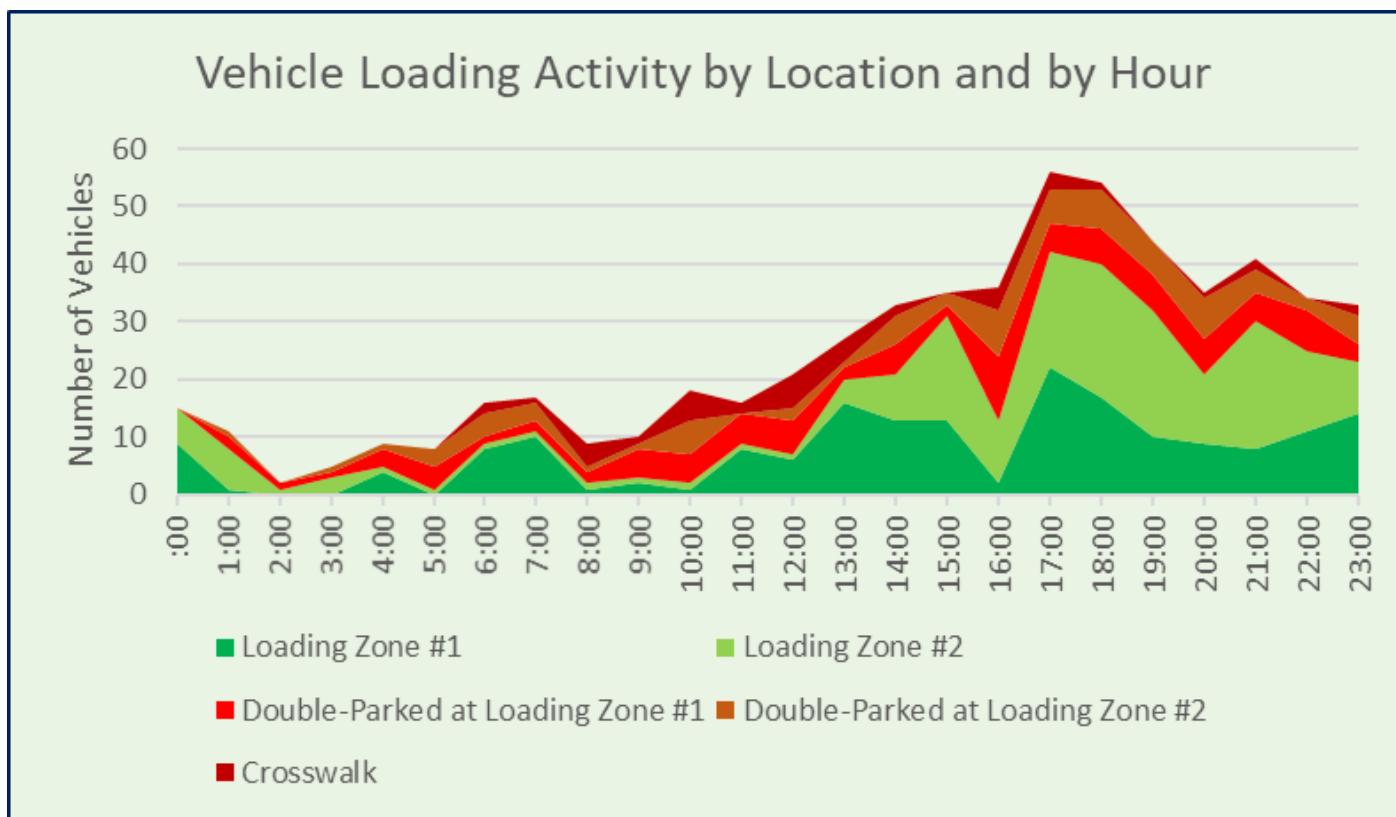
TIME PERIOD	MOANA SURFRIDER		KALAKUA AVENUE MAKAI CURB ZONE										ROYAL HAWAIIAN SC		TOTALS
	ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk	ZONE E: Loading Zone #2			ZONE F: Dock		
Hour Beginning Time	1 -- Vehicles in Diamond Head Position	2 -- Vehicles in Ewa Position	1 -- Vehicle Outbound Traffic	2 -- Vehicle Inbound Traffic	3 -- Vehicle on Curb or Double Parked	1 -- Vehicles Within Loading Zone	2 -- Vehicles Double Parked	3 -- Vehicles Double Parked	1 -- From stop line to corner of zone C pull out	1 -- Vehicles Within Loading Zone	2 -- Vehicles Double Parked	3 -- Vehicles Double Parked	1 -- Vehicles Adjacent to Street	2 -- Vehicles Adjacent to Dock	
0:00	1	0	2	1	0	9	0	0	0	6	0	0	0	0	19
1:00	0	0	1	3	2	1	2	0	0	7	0	1	0	0	17
2:00	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2
3:00	0	0	0	1	1	0	1	0	0	3	0	1	0	0	7
4:00	0	1	4	6	2	4	3	0	0	1	0	1	0	0	22
5:00	0	2	7	11	5	0	3	1	0	1	1	2	1	1	35
6:00	2	3	11	8	2	8	1	0	2	1	2	2	1	1	44
7:00	3	3	11	7	3	10	2	0	1	1	2	1	1	1	46
8:00	4	6	17	17	6	1	2	0	4	1	1	0	1	2	62
9:00	6	5	22	19	9	2	1	4	1	1	1	0	1	2	74
10:00	3	4	6	9	4	1	1	4	5	1	4	2	1	2	47
11:00	3	2	21	27	3	8	3	2	2	1	0	0	1	2	75
12:00	4	5	20	19	6	6	5	1	6	1	2	0	2	4	81
13:00	3	4	26	13	4	16	2	0	4	4	1	0	1	4	82
14:00	3	2	18	14	6	13	5	0	2	8	5	0	4	5	85
15:00	2	3	16	21	4	13	2	0	0	18	2	0	2	3	86
16:00	4	6	14	23	5	2	7	4	4	11	7	1	1	5	94
17:00	3	5	15	30	2	22	4	1	3	20	6	0	2	0	113
18:00	2	3	15	19	7	17	5	1	1	23	7	0	2	2	104
19:00	3	5	20	17	6	10	5	1	0	22	6	0	3	4	102
20:00	2	3	9	12	4	9	5	1	1	12	7	0	3	1	69
21:00	2	2	11	14	8	8	5	0	2	22	3	1	1	2	81
22:00	1	1	18	9	10	11	7	0	0	14	2	0	1	0	74
23:00	1	1	10	4	4	14	3	0	2	9	3	2	2	6	61
Totals	52	66	294	304	103	185	75	20	40	189	62	14	31	47	1,482



WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

Of those 1,482 vehicles, 585 were loading passengers or freight within proximity of the two loading zones but only 374 were located within the loading zone. The other 211 vehicles were either double parked (171) or in the crosswalk (40). The illegal vehicle loading activity varies significantly by time of day although it is prevalent throughout the day as illustrated by the graphic below.

KALĀKUA AVENUE MAKAI CURB TIME SERIES TRAFFIC OBSERVATIONS



During the hour beginning at 10:00 am one commercial freight vehicle occupied loading zone #1 and another occupied zone #2. Both trucks were violating the 9:00 am time limit. At the same time in the same area 16 other vehicles were forced to either double park or park in the crosswalk to conduct predominately passenger loading and unloading activity even though this is the time period when commercial passenger vehicles with permits may use those two loading zones for active loading and unloading. The trucks in the loading zones are creating an unsafe situation which has a domino effect of vehicles maneuvering erratically toward any portion of the curb they can find. This is not a safe or easy task given the size of many of the vehicles involved. Sight distances are blocked while tourists wander about on the roadway trying to find their ride.

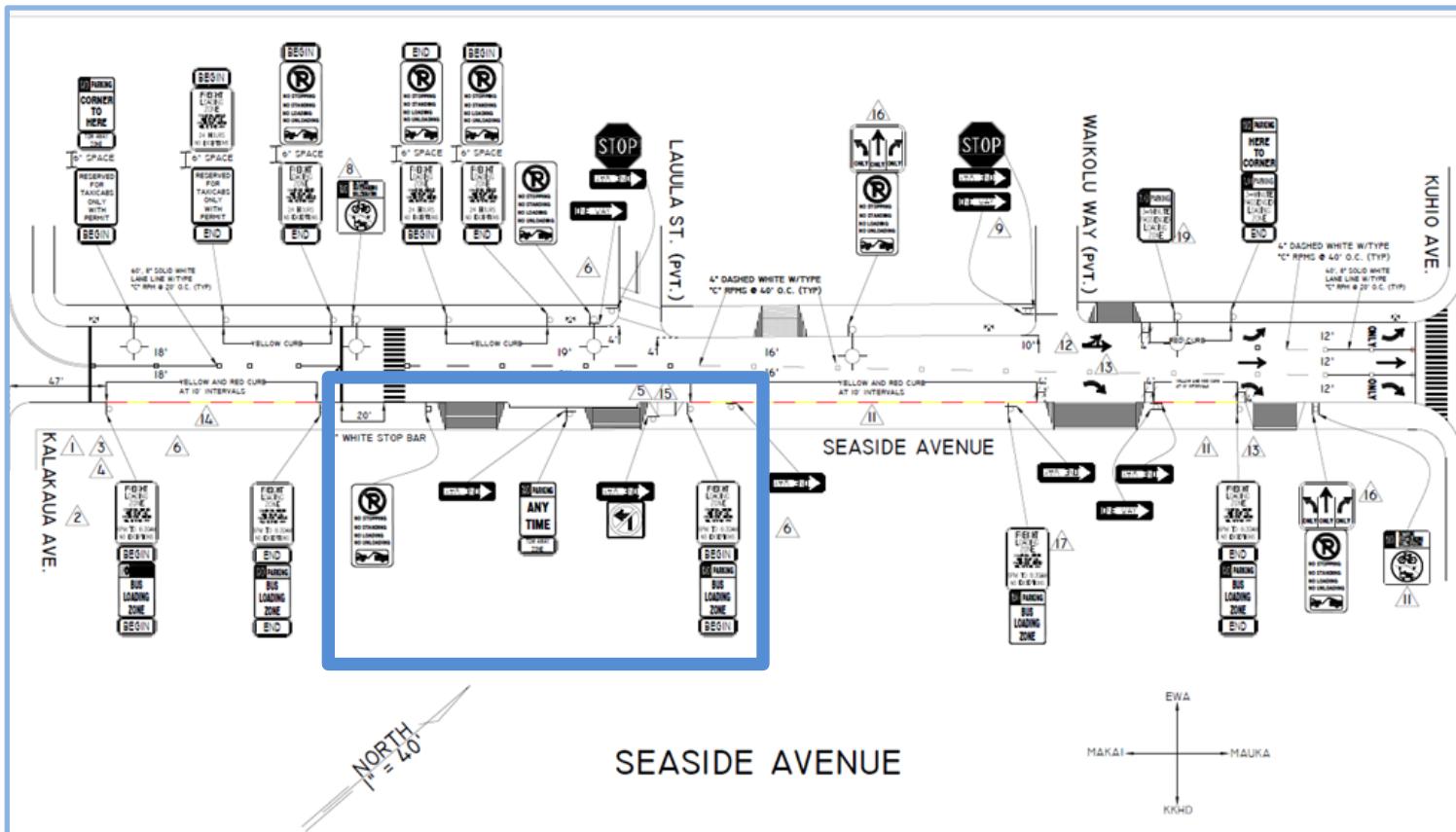
During the peak hour beginning at 5:00 pm (17:00 in the graph above), 44 vehicles are able to use the two loading zones used by just the two trucks during the 10:00 am hour. Even though more than three times as many vehicles (56 versus 18) use the same space in this peak hour, less were observed double parking or parking in the crosswalk than at 10:00 am (14 versus 16).



Seaside Avenue Commercial Vehicle Loading Zone Activity

Data was collected on Tuesday, August 31, 2021. Data for this hot spot area was collected between 8:00 am and 10:00 am. Data was collected between Kalākaua and Kūhiō Avenues along the entire length of both curbs. The data is summarized in the fourth column in the table on page 14.

The City's sign plan shown below illustrates the complexity of Seaside Avenue.

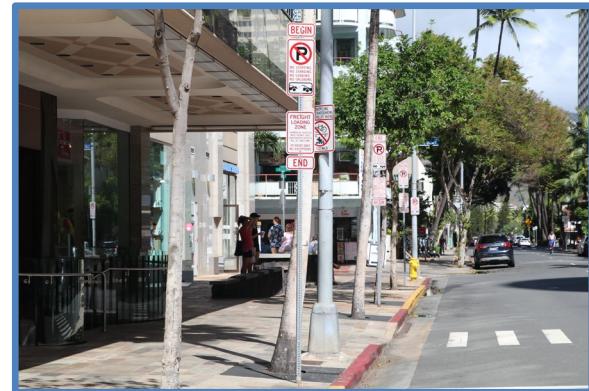
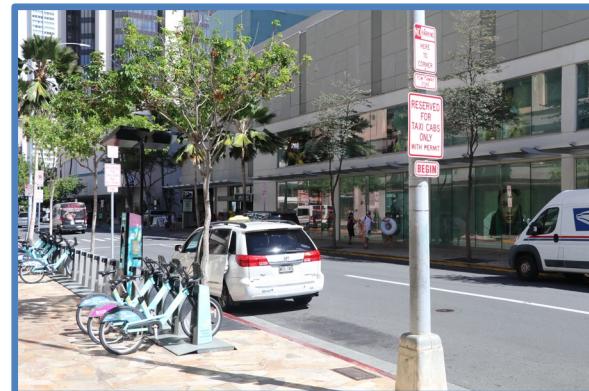


Seaside Avenue 'Ewa Side Characteristics

The approximately 700-foot long portion of Seaside Avenue between Kalākaua and Kūhiō Avenues is best described by dividing it into the Ewa curb side and the Diamond Head curb side.

The Ewa curb side features include two private roads (Lauula Street and Waikolu Way). These intersecting private roadways create three distinctive curbside blockfaces:

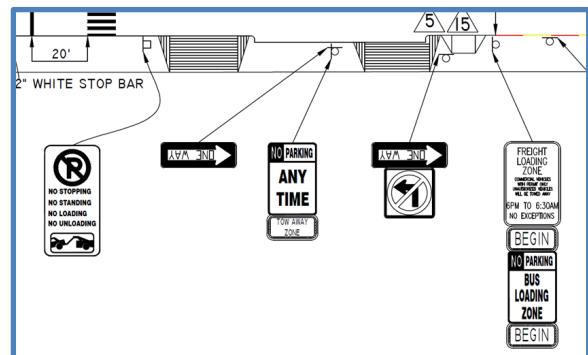
1. Kūhiō to Lauula Street –This blockface is approximately 300-feet in length and contains one midblock crosswalk and three loading zones. The three loading zones are as follows:
 - a. Taxi zone – About 50-feet with a red curb. The regulatory posted sign is “RESERVED FOR TAXICABS ONLY WITH PERMIT”
 - b. Freight loading zone – About 50-feet with a yellow curb reserved for trucks. The regulatory posted signs is “FREIGHT LOADING ZONE – COMMERCIAL VEHICLES WITH PERMIT ONLY – UNAUTHORIZED VEHICLES WILL BE TOWED AWAY – 24 HOURS – NO EXCEPTIONS”
 - c. Freight loading zone – About 50-feet with a yellow curb reserved for trucks. The regulatory posted signs is “FREIGHT LOADING ZONE – COMMERCIAL VEHICLES WITH PERMIT ONLY – UNAUTHORIZED VEHICLES WILL BE TOWED AWAY – 24 HOURS – NO EXCEPTIONS”
2. Lauula Street to Waikolu Way –This blockface is approximately 170-feet in length and contains one driveway and no loading zones. The entire length is posted as “NO PARKING”.
3. Waikolu Way to Kūhiō Avenue –This blockface is approximately 200-feet in length and contains one loading zone. The important distinction is that this loading zone is different than the others along this side of Seaside and is characterized as follows:
 - a. Passenger loading zone – About 30-feet with a red curb. The regulatory posted sign is “NO PARKING – 3-MINUTE PASSENGER LOADING ZONE”. No permit is required for this zone.



Seaside Avenue Diamond Head Side Characteristics

The Diamond Head curb side features include four loading zones and five driveways. These intersecting private driveways create the following distinctive curbside blockfaces:

1. Kalākaua Avenue to driveway #1 blockface –This blockface is approximately 100-feet in length and contains one loading zone.
 - a. Freight loading zone and Bus Loading Zone—A combined zone with a mixed yellow and red-curb in ten-foot intervals. Two regulatory signs are posted:
 - i. Freight loading zone – The regulatory posted signs is “FREIGHT LOADING ZONE – COMMERCIAL VEHICLES WITH PERMIT ONLY – UNAUTHORIZED VEHICLES WILL BE TOWED AWAY – 6 PM TO 6:30 AM – NO EXCEPTIONS”.
 - ii. Bus Loading Zone with no permit requirement posted on the sign.
2. Driveway #1 to Driveway #2 –The City sign plan contains this area as a no parking curb with no exceptions for its entire length of about 30 feet. However, field verification of the City sign plan indicates the actual presentation of this curb is posted on a sign “NO PARKING – 3-MINUTE PASSENGER LOADING ZONE”. It is doubtful the City authorized this zone since it is substandard, has no red curb comparable to the same type of 3-MINUTE PASSENGER LOADING ZONE across the street and jeopardizes the sight distance of those exiting the driveway. Furthermore, the sign is blocked by a tree.
3. Driveway #2 to Driveway #3 is approximately 150-feet in length and contains one shared loading zone as follows.
 - a. Freight loading zone and Bus Loading Zone – A combined zone with a mixed yellow and red-curb in ten-foot intervals. Two regulatory signs are posted:
 - i. Freight loading zone – The regulatory posted sign is “FREIGHT LOADING ZONE – COMMERCIAL VEHICLES WITH PERMIT ONLY – UNAUTHORIZED VEHICLES WILL BE TOWED AWAY – 6 PM TO 6:30 AM – NO EXCEPTIONS”.
 - ii. Bus Loading Zone



WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

4. Driveway #3 to Driveway #4 is approximately 50-feet in length and contains one shared loading zone as follows.

- a. Freight loading zone and Bus Loading Zone— A combined zone with a mixed yellow and red-curb in ten-foot intervals. Two regulatory signs are posted:
 - i. Freight loading zone – The regulatory posted signs is “FREIGHT LOADING ZONE – COMMERCIAL VEHICLES WITH PERMIT ONLY – UNAUTHORIZED VEHICLES WILL BE TOWED AWAY – 6 PM TO 6:30 AM – NO EXCEPTIONS”.
 - ii. Bus Loading Zone

5. Driveway #4 to Kūhiō Avenue is no parking with no exceptions.



Seaside Avenue Traffic Observations

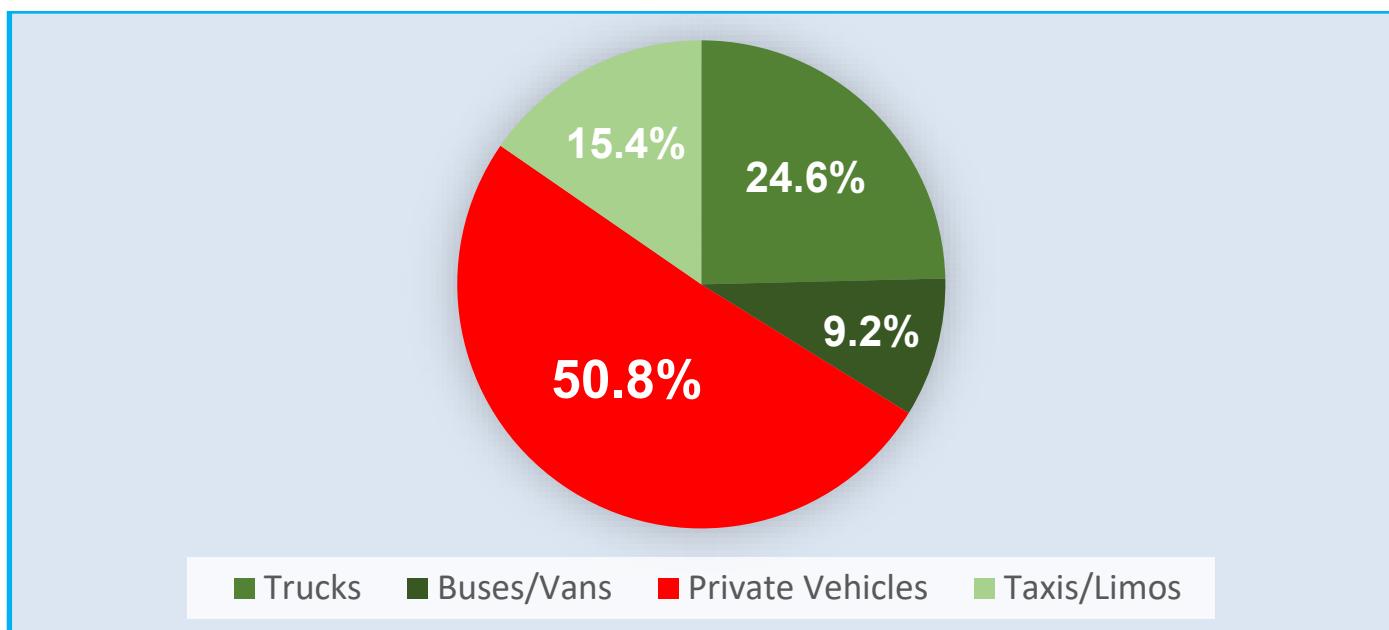
Both sides of Seaside Avenue between Kalākaua Avenue and Kūhiō Avenue are essentially no parking with many regulatory exceptions that are ignored by the majority of vehicles using the curb. One should see no private vehicles parked along this curb except for the less than three-minutes in the official City authorized 3-minute passenger loading zone. Instead, Seaside is dominated by private vehicle parking with no permits for long periods; thereby, denying the authorized and permitted uses of the curb by those commercial vehicle operators who are properly paying all applicable permit fees.

Private vehicles -- many suspected as operating as a transportation network company agent -- do whatever they want, when they want, without impunity. Vehicle activity has returned to Waikīkī in a more unregulated environment than ever before. In the summer and fall months of 2021 commercial vehicle operators are significantly increasing their operations in Waikīkī and along Seaside Avenue. As they do so they find it more difficult to do what they had done before within the full array of applicable City regulatory provisions. Instead, private vehicles without permits are occupying curb space. Permitted commercial vehicle passenger vehicles needing to stage or load guests find their space illegally occupied. Permitted commercial vehicles that make Waikīkī thrive in an orderly and appealing way are challenged to operate the way the City intended.

While the loading activity along the mauka side of Kalākaua is composed of over 95% freight trucks (see the table on page 14) the opposite is true for Seaside Avenue. Consider the data collected on Tuesday, August 31, 2021. Data for this hot spot area was collected between 8:00 am and 10:00 am to be consistent with the data collected at other Waikīkī loading area hot spots. It reveals the dominance of private vehicles in a supposed regulated and enforced setting.

SEASIDE AVENUE TRAFFIC VEHICLE COMPOSITION OBSERVATIONS

DATA COLLECTED FROM APPROXIMATELY 8:00 AM TO 10:00 AM, AUGUST 31, 2021



Lewers Street Commercial Vehicle Loading Zone Activity

Data was collected on Wednesday, September 1, 2021. Data for this hot spot area was collected between 8:00 am and 10:00 am. Data was collected between Kūhiō Avenue and Kālia Road along the entire length of both curbs. The data is summarized in the fifth column in the table on page 14.

Emphasis was placed on the portion of Lewers between Kalākaua Avenue and Kālia Road because of recent complaints. The entire length of Lewers in this hot spot area is governed by 14 identical no parking signs that list the following prohibitions: “NO STOPPING, NO STANDING, NO LOADING, NO UNLOADING.” There are only two exceptions at two locations:

1. Between Kūhiō Avenue and Don Ho Lane – The blockface on the ‘Ewa side of Lewers Street has the following zone.
 - a. Passenger Loading Zone – About 40-feet with a red curb. The regulatory posted sign is “NO PARKING – 3-MINUTE PASSENGER LOADING ZONE”. No permit is required to use this zone.
2. Between Halumoa and Kālia Road – The blockface on the Diamond Head side of Lewers Street has the following zone.
 - a. Freight Loading Zone – About 100-feet with no painted curb. The regulatory posted sign is “FREIGHT LOADING ZONE – COMMERCIAL VEHICLES WITH PERMIT ONLY – UNAUTHORIZED VEHICLES WILL BE TOWED AWAY – MON THRU SAT - 7:00 AM TO 11:00 AM – INCLUDING HOLIDAYS”.



The September 1, 2021 data collection effort observed 69 vehicles during the established two hour data collection period (8:00 am to 10:00 am). None of the vehicles observed in the Lewers Street hot spot area were fully compliant with applicable City code. The Lewers hot spot area is the most egregious offender of all the hot spot areas monitored during 2021. Offenders did so with a total disregard for all applicable City regulations.

Not only were vehicles of all types parked along curbs clearly marked as “NO STOPPING, NO STANDING, NO LOADING, NO UNLOADING,” they did so for extended times. Nine vehicles were recorded being parked for over 100 minutes. This is 13% of the total on September 1 versus 6.5% for all five dates at different hot spots included in the table on page 14.

The data collected on September 1 confirms the observations made in past years. On October 7, 2016 data was collected to observe traffic conditions between Don Ho Lane and Kālia Road. The following pages highlight the issues that routinely occurred in the past when the pandemic wasn’t impacting Waikīkī’s economy. The September 1, 2021 data collection confirmed that these issues have returned.

WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

LEWERS STREET TIME LAPSE TRAFFIC OBSERVATIONS

DATA COLLECTED ON FRIDAY, 10-07-2016

Time and Observation For Image to the Right	Lewers Street Looking Toward Don Ho Lane From Helumoa Road	Lewers Street Looking Toward Kalia Road From Helumoa Road	Time and Observations For Image to the Left
10:15 AM Two cameras were positioned on the second level of Beachwalk.			10:15 AM Two vans occupied the only loading zone. Parked the entire time – 170 minutes.
10:17 AM Two vans were parked near Don Ho Lane until 10:22 AM.			10:17 AM Two vehicles were parked near Helumoa. One was a beer truck making multiple deliveries.
10:19 AM A small bus arrives to drop off passengers.			10:25 AM About 20 tour buses had difficulty making the turn because of the beer truck's parked location.
10:19 AM Passengers must walk onto the roadway to leave the bus.			10:25 AM Sometimes the front tire of a bus scraped against the Lewers ewa side curb to make the left turn.
10:30 AM Vehicles must use the right lane because vans are parked in the left lane.			10:30 AM The back of a white tour bus hit the one way sign while trying to swing wide to make the turn.

WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

LEWERS STREET TIME LAPSE TRAFFIC OBSERVATIONS

DATA COLLECTED ON FRIDAY, 10-07-2016

Time and Observation For Image to the Right	Lewers Street Looking Toward Don Ho Lane From Helumoa Road	Lewers Street Looking Toward Kalia Road From Helumoa Road	Time and Observations For Image to the Left
10:39 AM A food delivery truck arrives.			10:33 AM An Atlantis tour bus drives over the sidewalk to make the turn.
10:40 AM The food delivery truck parks next to a no parking sign.			10:34 AM The beer truck didn't leave until 11:41 PM, duration of over 86 minutes.
10:40 AM Up to eight vehicles were observed at the same time illegally parked to unload freight or passengers			10:34 AM Several large delivery trucks were parked at the same time making multiple deliveries.
10:42 AM Most of the time only a few trucks were parked for extended periods.			10:34 AM Many of the deliveries were not in the immediate area.
10:52 AM A delivery truck parks next to no parking sign.			10:52 AM The beer truck has been parked for over 37 minutes and the driver is making his second delivery.

WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

LEWERS STREET TIME LAPSE TRAFFIC OBSERVATIONS

DATA COLLECTED ON FRIDAY, 10-07-2016

Time and Observation For Image to the Right	Lewers Street Looking Toward Don Ho Lane From Helumoa Road	Lewers Street Looking Toward Kalia Road From Helumoa Road	Time and Observations For Image to the Left
11:00 AM The driver walks along Lewers with a hand truck to make his delivery.			11:00 AM Two more vans park illegally in front of the beer truck. Altogether, seven vehicles are illegally parked along Lewers.
11:05 AM Another driver walks along Lewers with a hand truck to make his delivery.			11:03 AM Beer truck driver returns from delivery #2.
11:05 AM Traffic backs up briefly because of parked vehicles.			11:10 AM Beer truck blocks view of driver who attempts to enter the wrong way at hotel exit.
11:05 AM Trucks can't find any curb space, legal or not.			11:11 AM Beer truck driver prepares delivery #3 while pedestrians stand in middle of intersection.
11:10 AM Truck arrives and parks. Remains parked until 12:13 PM, duration of 63 minutes.			11:14 AM Beer truck continues to make turning challenging for tour buses.

WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

LEWERS STREET TIME LAPSE TRAFFIC OBSERVATIONS

DATA COLLECTED ON FRIDAY, 10-07-2016

Time and Observation For Image to the Right	Lewers Street Looking Toward Don Ho Lane From Helumoa Road	Lewers Street Looking Toward Kalia Road From Helumoa Road	Time and Observations For Image to the Left
11:17 AM Coca Cola van arrives. Remains parked until 12:38 PM, duration of 81 minutes.			11:16 AM HPD drives along Lewers but takes no action while passing multiple obvious violations.
11:19 AM The curb along Lewers is lined with many delivery trucks.			11:19 AM Beer truck driver returns to truck to prepare delivery #4.
11:21 AM Driver begins delivery by walking along Lewers.			11:21 AM Beer truck driver prepares delivery #4.
11:24 AM Van arrives and parks next to fire hydrant. Leaves at 11:46 AM, a duration of 22 minutes.			11:21 AM Another delivery driver walks along Lewers.
11:25 AM Joggers run contra-flow along Lewers.			11:25 AM Driver spends over five minutes preparing delivery while in the middle of Lewers with cart

WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

LEWERS STREET TIME LAPSE TRAFFIC OBSERVATIONS

DATA COLLECTED ON FRIDAY, 10-07-2016

Time and Observation For Image to the Right	Lewers Street Looking Toward Don Ho Lane From Helumoa Road	Lewers Street Looking Toward Kalia Road From Helumoa Road	Time and Observations For Image to the Left
11:27 AM Driver returns walking along Lewers with empty hand truck.			11:27 AM Five vehicles are still parked along curb, all illegally parked by this time.
11:27 AM Driver makes ice cream delivery.			11:29 AM Driver makes dry goods delivery.
11:28 AM Two delivery men walk along Lewers with hand trucks.			11:29 AM Staging hand truck for the next delivery.
11:31 AM Stretch limo is unable to pull up to curb. Discharges passenger onto Lewers.			11:31 AM Beer truck driver prepares for another delivery.
11:39 AM Pedestrians cross in front of truck.			11:36 AM Beer truck driver returns from final delivery.

Lewers Street Traffic Observations

Both sides of Lewers Street between Kalākaua Avenue and Kālia Road are signed no parking with two short loading zones. The no parking restriction is ignored by the majority of vehicles using the curb. The greatest amount of violations occur on the Diamond Head side of Lewers between Don Ho Lane and Kālia Road. Even though both sides of Lewers Road are signed the same way with no parking signs that list the following prohibitions: “NO STOPPING, NO STANDING, NO LOADING, NO UNLOADING” the law of the jungle seems to be that vehicles do not use the ‘Ewa side of the road, only the Diamond Head side. This illegal practice has turned Lewers from a two-lane one-way street into a one lane one-way street. Although this does not create much of a traffic bottleneck it does pose a significant safety risk. Passengers exiting vehicles are constantly observed walking about the roadway and crossing at random locations. Truck drivers are routinely observed making deliveries using various types of large cargo dollies and carts pushing their large loads down the middle of the road.

The City has received complaints over the past several years about the scale and seriousness of the Lewers Road illegal parking problem. HPD has occasionally issued tickets but these are paid as the cost of doing business in the area and the practice continues. Enforcement alone is not the solution.

A more systematic and comprehensive approach is needed. This starts with a better understanding as to why this problem has existed for so long. It likely dates back to when the area was master planned about fifteen years ago and multiple off-street loading docks and passenger vehicle loading areas were offered to address the needs which were identified at the time. In fact, there were discussions of using Lewers Road as a pedestrianized mall or bus rapid transit right-of-way as part of the Beachwalk development. Lewers freight activity serving the Beachwalk development would be accommodated by an off-street freight loading area on the ground floor of what is now Trump International Hotel & Tower. The loading dock does exist, but its’ five bays are rarely used while trucks are relegated to perform their loading along the street.



When enforcement is conducted it would be valuable to direct vehicle drivers to conduct their business a different way or at a different location rather than to simply issue the ticket or tow the vehicle. The next section identifies the type of investigative work necessary to develop workable solutions for all of the hot spot curb area loading problems being recognized. For the Lewers commercial freight vehicle demand perhaps the Trump International Hotel & Tower would be willing to let their bays be used.

Revised Ordinances of Honolulu Section 15- 14.8(a),

“when official signs are erected designating a street or portions thereof as a tow-away zone, no person shall stop, stand, or park a vehicle, even momentarily, between the hours indicated on such signs.”

WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

Passenger vehicles, vans and small trucks which represent the majority of vehicles illegally using the Lewers Road no parking curb could be redirected to other nearby locations. One possibility is the Kūhiō Avenue and Kaiolu Street parking lot accessed by pedestrians via a walkway from Lewers Road.



The Kūhiō-Kaiolu parking lot shown above is located on City property. There is a single vehicle access point into the site from the intersection of Kūhiō Avenue and Kaiolu Street. The primary function of the property is to support the Beachwalk Wastewater Pump Station which occupies about one-third of the site. The remainder of the site is used as a public parking lot. This parking lot is about 800 feet from where most vehicles are using the no parking curb and is a much safer location to load and unload people or for commercial trucks without large loads of cargo to deliver.

There are 50 at-grade public parking stalls. Each stall has a coin operated parking meter. The parking rate is \$1.50 per hour and the maximum parking duration is five hours. The parking lot is open 24 hours a day. The City reserves parking spaces on a full time basis (7 days a week, 24 hours a day) for a specified number of days for construction workers. Such permits could be granted to vehicles now finding it necessary to park along Lewers Street.

The Kūhiō-Kaiolu parking lot was returned to the City in 2019 after being closed for four years. During that time PACREP 2 LLC was constructing the second tower of the Ritz-Carlton development. PACREP 2 LLC had entered into an agreement with the City so that it could use the area for construction staging. PACREP 2 LLC paid the City a yearly fee to offset what revenues the City could have achieved if the parking lot were available to the public and fully occupied. The agreement required PACREP 2 LLC to return the lot to the City in the condition and configuration that exists now.

The City has been unable to attract vehicles into the site to use it as a parking lot in any meaningful numbers even before the COVID 19 shut down. The WTMA assisted the City last year by installing several standard "PARKING" available signs along Kūhiō Avenue. The Waikīkī Neighborhood Board voted unanimously to approve a recommendation to have the WTMA manage the parking lot so that it can better serve the community (June 9, 2020 meeting minutes, page 4, under New Board Business).

Other solutions might include allowing some commercial vehicle activity to occur along Lewers at certain times such as from 10:00 pm to 9:00 am as is allowed along the mauka side of Kalākaua Avenue. Other possible solutions exist, but the purpose of this report was to collect data and offer observations. Potential solutions will be identified in later documents.

Overall Observations

The observations listed below are limited to the data presented in this report. Other reports have been prepared on other hot spot areas that collected data, identified problems, and recommended solutions. These other reports include one addressing the problems associated with commercial passenger vehicle operations along Royal Hawaiian Avenue. Another addressed the issues along Ala Moana Boulevard between Hobron Lane and Kālia Road. Some of the solutions identified in these reports have been implemented but many have not. Some of the content of those and other prior investigations have influenced the observations below including the first two.

1. **Each Hot Spot Has Unique Challenges** -- Each Waikīkī commercial vehicle hot spot area has problems that are unique to the roadways and land uses in the immediate area. Property owners and building tenants need to be involved in appreciating the problems and participating in the solutions just as much as do the commercial vehicle operators. Likewise, the City and State need to be actively involved in partnering with the private sector to recognize the severity of the problems and how urgent solutions are needed. The WTMA has gone a long way in creating the forum for this partnership.
2. **Permit Compliance Is Low** -- About 22% of the commercial vehicles performing loading activities within Waikīkī have a current City and County of Honolulu permit properly displayed. Around 30% are displaying the City permit, but no Special Improvement District permit.
3. **Time Limits Are Not Being Followed** – About 22% of all freight loading vehicles are parked for over 30 minutes where the posted maximum loading time limit is 30 minutes. Around seven percent of the freight vehicles are parked for more than 100 minutes. Passenger commercial vehicles have not been observed exceeding the three-minute maximum loading time limit.
4. **Hour Restrictions Are Not Working** – In the one-hour period after the posted end to the no parking restriction exception for commercial freight loading (mauka side of Kalākaua Avenue) typically twenty commercial vehicles may be observed violating the 9:00 am time limit.
5. **Other Traffic Code Violations** – In addition to the permit and time limit violations about 12% of all observed vehicles were violating other sections of the traffic code.
6. **Too Few Vehicles Are Fully Compliant** – Only about 7% of over 100 vehicle observations involved a commercial vehicle that was fully compliant with the traffic code. Some of these violations involved situations impacting the safe movement of vehicles, people, and goods.
7. **Physical Features Are Obstacles to Loading** -- Landscaping, newspaper racks, vending machines, parked bicycles, and other items in the furniture zone inhibit the flexibility needed to load passengers and freight safely.

The two pictures below illustrate how landscaping, newspaper racks, vending machines, parked bicycles, and other items in the furniture zone inhibit curbside loading.



Next Steps

This data collection report is only valuable if it is shared with all of those concerned in as timely a manner as possible. Therefore, data was compiled and documented weeks after being collected. This report was complete several months after the most recent data was collected so that it can be used in the next steps in the WTMA's Curb Loading Management Plan development work.

Communications Program – This report and a corresponding fact sheet will be widely distributed with a cover letter from WTMA custom designed for each targeted audience as follows:

- a. City and County Departments – Brief HPD and seek their review and suggestions regarding the Curb Loading Management Plan. Inform BFS, DTS, DFM, DCS, DDC, ENV and other departments as requested and determine if they have any construction plans or other activities possibly impacting Waikīkī loading zone operations during the next year. Inform DPP to determine if any building permits have been issued that may impact loading zone activity and inquire about the compliance status of past building permit conditions.
- b. Hawai‘i Transportation Association – Work with HTA to distribute fact sheet and set up meetings with commercial freight and passenger vehicle operators servicing Waikīkī to inform them of the Curb Loading Management Plan.
- c. Waikīkī Improvement Association – Work with WIA to distribute fact sheet and set up meetings with property owners and tenants who are receiving commercial freight deliveries or serving guests using passenger vehicle operators servicing Waikīkī to inform them of the Curb Loading Management Plan.
- d. Waikīkī Neighborhood Board – Offer to make a presentation to the Waikīkī Neighborhood Board.
- e. Others – Offer to provide a presentation to any interested or impacted group.

Enforcement Program – Up to four HPD Special Duty officers will be used during two cycles of enforcement with a pause of at least two weeks before the second cycle. Enforcement will primarily target the following areas:

- a. Kalākaua Avenue between Lewers and Lili‘uokalani Avenues along the mauka curb.
- b. Kalākaua Avenue between Lewers and Lili‘uokalani Avenues along the makai curb.
- c. Seaside Avenue between Kalākaua and Kūhiō Avenues along all curbs.
- d. Lewers Street between Kalākaua Avenue and Kālia Road along all curbs.
- e. Ōhua Avenue between Kalākaua and Kūhiō Avenues along both curbs.
- f. Ala Moana Boulevard between Hobron Lane and Kālia Road along both curbs.
- g. Royal Hawaiian Avenue between Hobron Lane and Kālia Road along both curbs.
- h. Kūhiō Avenue between Lewers and Ōhua Avenues along both curbs.
- i. Others – Based upon reasonable requests made during the communications program.



WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

Regulatory Changes and Management Proposals – Assess the preliminary results to identify possible changes in the existing commercial vehicle operating environment.

- a. Are Time Restrictions Reasonable?
 - i. Can the 9:00 am ending time for freight loading be extended to 10:00 am?
 - ii. Can the 30-minute freight loading be lengthened in selected locations to 60 minutes?
 - iii. Can 15-minute freight loading locations in selected locations relieve other zones?
- b. Find Ways to Create a Safer Environment?
 - i. Regular use of HPD Special Duty and flagmen to control traffic.
 - ii. More use of traffic cones and other warning devices to slow conflicting traffic.
 - iii. Warning signs to oncoming traffic to use caution comparable to those used at a construction site.
- c. Find Ways to Change or Shorten On-Street Delivery Times?
 - i. Have tenants available to receive deliveries earlier in the morning or in the evening.
 - ii. Have tenants pick up their delivery from the commercial vehicle.
 - iii. Have more than just the driver make deliveries such as two-person deliveries for larger loads.
 - iv. Do off-street loading docks have extra capacity?

Curb Management Demonstration – Activate the testing of different technologies to better manage freight and passenger commercial vehicle operations.

- a. Identify test areas based upon feedback during the communications and enforcement period.
- b. Identify those who are willing to participate.
- c. Identify compliance and performance targets.

Waikīkī Loading Zone Permit Management Project – The WTMA has requested that DTS work with the OahuMPO to update a programmed project that was funded but not initiated to reflect the fact that the five year old scope of work is out of date and superseded by subsequent work. Most of the previously envisioned tasks have already been activated and some have been completed. However, the need for a meaningful study has increased. There is a pressing need to collect more data such as presented in this report. The Appendix includes a new proposed scope of work for the revised project. Critical deliverables of such an effort should, at a minimum, include the following:

- a. A Project Engagement Plan that identifies the WTMSID Board of Directors as the decision-making body for whatever recommendations will be identified.
- b. A Loading Zone Inventory Technical Report that includes a database with overlays of City and County of Honolulu street traffic sign plans in electronic format to include the linear dimensions of legal curb zone loading areas based upon the application of the City and County of Honolulu traffic code with specifications sufficient to use for the purpose of painting curbs by type of applicable regulation or zone and a tabular listing of all Waikīkī loading zones of all types of loading and parking incorporated into a usable and easily maintained database..
- c. A Data Collection Plan Technical Report that uses time-lapse photography and real-time continuing collection of current curb use demand by vehicle identification, time of arrival and departure, location and other pertinent data.



WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

- d. A Loading Zone Vehicle Utilization Technical Report will include a comprehensive data record of field observations regarding all forms of traffic activity along the curb including within existing regulated curb loading zones, parallel to those zones and along the curb adjacent to those zones where otherwise such activity would be prohibited. Data presented in tabular form will include vehicle identification, time of arrival and departure, and the level and type of loading activity.
- e. A Loading Zone Programmatic Situation Working Paper to include interviews with as many of those making deliveries observed during the data collection task as possible to determine delivery history, client requirements and delivery operator concerns. Interviews will include those with the clients, tenants served and owners of the property occupied by those tenants.
- f. A Loading Zone Safety Technical Report to include a presentation of traffic accident data from all sources available, anecdotal safety observations obtained from interviews will be included Honolulu Police Department patrol officers.
- g. Loading Zone Management Technology Technical Report to include identification and implementation of technology and programs to maintain ongoing data collection of curb use, an action plan to implement demonstration project of real-time data collection such as license plate reader and steps needed to provide real-time “heat” map illustrations of data to show curb use that can be easily maintained by the WTMSID.
- h. A Loading Zone Management Problems and Solutions Working Paper to include a comprehensive list of problems and remedial actions, identification of needed program and project costs by year for the purposes of budget and grant development.
- i. An Action Plan Working Paper to identify proposed recommendations and actions needed to accomplish implementation by the WTMSID and its partners.



Appendix

A. Commercial Vehicle Loading Zone Activity.....

Kalākaua Avenue Commercial Vehicle Loading Zone Activity.....	A- 1
Seaside Avenue Commercial Vehicle Loading Zone Activity.....	A- 8
Lewers Street Commercial Vehicle Loading Zone Activity.....	A-12

B. Kalākaua Makai Street Zone Observations.....

Kalākaua Makai 24 Hour Vehicle Observations.....	B- 1
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C. Waikīkī Loading Zone Permit Management Project.....

OahuMPO WE 203.11-19 Proposed Project Revision.....	C- 1
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WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

Appendix A

Commercial Vehicle Loading Zone Activity.....

Kalakaua Avenue Commercial Vehicle Loading Zone Activity.....	A- 1
Seaside Avenue Commercial Vehicle Loading Zone Activity.....	A- 8
Lewers Street Commercial Vehicle Loading Zone Activity.....	A-12



**Waikīkī Transportation Management
Special Improvement District**

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KALAKAUA AVENUE COMMERCIAL VEHICLE LOADING ZONE ACTIVITY

Between Lewers and Lilioukalani Avenues Along the Mauka Curb

DATE: 8/23/2021

Special Conditions: Data collected 8:00-10:10 am, light to heavy rain

LICENSE PLATE	OPERATOR					TIME		LOCATION			COMMENTS
	Name	Vehicle Number	PUC Number	CCH Permit	SID Permit	Arrive	Depart	Ewa Street Name	DH Street Name	Serving or Near	
T25770	Armstrong Produce	523	534523	Y	Y	8:00am	9:45am	Seaside Ave.	Duke's Ln.	Int. M.P.	
T25242	Hawaii Food Service Alliance	958	111958	Y	Y	8:07am	8:45am	Duke's Ln.	Kaiulani Ave.	Int. M.P.	
959TVX	Island Deli			Y	Y	8:07am	8:30am	Duke's Ln.	Kaiulani Ave.	Int. M.P.	
C&C9304	C & C Facilities Maintenance			N	N	8:11am	8:45am	Kaiulani Ave.	Uluniu Ave.	?	9
TPG341	Hertz rental car			N	N	8:11am	8:30am	Kaiulani Ave.	Uluniu Ave.		Parked right in front of C & C car
039TTW	Wholesale Unlimited			Y	Y	8:11am	8:45am	Kaiulani Ave.	Uluniu Ave.	ABC Store	8
T27807	Y Hata			N	N	8:11am	9:55am	Uluniu Ave.	Liliuokalani Ave.	ABC Store	
812TVV	Landscape Hawaii			Y	Y	8:11am	8:21am	Uluniu Ave.	Liliuokalani Ave.		Vehicle seen many spots along Kalakaua, as the crew landscaped the Ave.
T27073	Ala Moana Produce			Y	Y	8:31am	8:45am	Duke's Ln.	Kaiulani Ave.	ABC Store	
T27398	Ryder Rental Large Truck	748584	N	N		8:31am	9:00am	Duke's Ln.	Kaiulani Ave.	Int. M.P.	
T28234	Hakuyosha Clean Living	370206	Y	Y		8:31am	9:25am	Duke's Ln.	Kaiulani Ave.	Int. M.P.	Box truck
591TWV	Island Food Service (Boar's Head)			N	N	8:43am	9:15am	Seaside Ave.	Duke's Ln.	Int. M.P.	
T27024	Hawaiian Isles Water Company			Y	Y	8:45am	9:15am	Seaside Ave.	Duke's Ln.	Int. M.P.	
T27106	Hawaiian Ono Services			Y	Y	8:45am	9:21am	Duke's Ln.	Kaiulani Ave.	Int. M.P.	
465TTZ	Miller Lite Truck			Y	N	8:45am	9:30am	Duke's Ln.	Kaiulani Ave.	Int. M.P.	Observed going into Hawaiian Casuals/Island Favorites
T28227	NA, White Fridge truck	379620	N	N		9:00am	10:13am	Duke's Ln.	Kaiulani Ave.	Int. M.P.	
033TWY	Hakuyosha Clean Living			N	N	8:55am	9:01am	Duke's Ln.	Kaiulani Ave.	Int. M.P.	Smaller crossover vehicle
327TVY	The Patisserie	847177	N	N		9:01am	9:45am	Seaside Ave.	Duke's Ln.	Beachcomber	
200TWE	The Tropical Fish	8		N	N	9:25am	9:45am	Duke's Ln.	Kaiulani Ave.	Int. M.P.	
KCS158	Personal Vehicle			N	N	9:25am	9:45am	Hawaiian Ave.	Seaside Ave.	Shopping Plaza	

KALAKAUA AVENUE COMMERCIAL VEHICLE LOADING ZONE ACTIVITY

Between Lewers and Lilioukalani Avenues Along the Mauka Curb

DATE: 8/23/2021

Special Conditions: Data collected 8:00-10:10 am, light to heavy rain

LICENSE PLATE	OPERATOR					TIME		LOCATION			COMMENTS	
	Name	Vehicle Number	PUC Number	CCH Permit	SID Permit	Arrive	Depart	Ewa Street Name	DH Street Name	Serving or Near		
812TVV	Landscape Hawaii			Y	Y	9:25am	9:45am	Hawaiian Ave.	Seaside Ave.	Kalakaua	Vehicle seen many spots along Kalakaua, as the crew landscaped the Ave.	
586TWF	Loomis		17093	N	N	9:30am	9:55am	Seaside Ave.	Duke's Ln.	Int. M.P.	5,6	Vehicle observed moving several spots down the block as it served different businesses
T27176	Hawaiian Transfer Co. Ltd.			64C	N	9:35am	9:50am	Duke's Ln.	Kaiulani Ave.	Int. M.P.		
166HDG	Paradise Beverage (Corona)			Y	Y	9:41am	?	Uluniu Ave.	Liliuokalani Ave.	ABC Store		
T26964	Penske Customer Service			N	N	9:41am	9:55am	Uluniu Ave.				
812TVV	Landscape Hawaii			Y	N	9:54am	?	Seaside Ave.	Duke's Ln.	Kalakaua	Vehicle seen many spots along Kalakaua, as the crew landscaped the Ave.	
T27106	Hawaiian Ono Services			Y	Y	10:03am	?	Uluniu Ave.	Liliuokalani Ave.	ABC Store	Vehicle seen up the street, earlier	
586TWF	Loomis		17093	N	N	10:05am	?	Kaiulani Ave.	Uluniu Ave.		Vehicle observed moving several spots down the block as it served different businesses	
NA	USPS			N	N	10:10am	?	Duke's Ln.	Kaiulani Ave.	Int. M.P.	6	
TRAFFIC CODE: 4 Within 10 feet of a fire hydrant 7 Within 30 feet of a flashing beacon or stop sign ROH Sec. 15-14.1 1 to 28 5 On a crosswalk 8 Within 75 feet of an approach at a traffic signal 6 Within 20 feet of a crosswalk 9 Within 30 feet of the far side of a traffic signal 14 On the roadway side of any vehicle stopped or parked at the edge or curb of a roadway (double-parked).												

KALAKAUA AVENUE COMMERCIAL VEHICLE LOADING ZONE ACTIVITY

Between Lewers and Lilioukalani Avenues Along the Mauka Curb

DATE: 8/24/2021

Special Conditions: Data collected 8:00-10:05 am, heavy rain stopped at 8:04 am

LICENSE PLATE	OPERATOR					TIME		LOCATION			COMMENTS	
	Name	Vehicle Number	PUC Number	CCH Permit	SID Permit	Arrive	Depart	Ewa Street Name	DH Street Name	Serving or Near		
180TTY	RNDC of Hawaii		656521	Y	Y	8:04am	unknown	Duke's Ln.	Kaiulani Ave.	Int. M.P.	6	NS Duke's Ln.
516TYF	Personal Vehicle			Y	Y	8:04am	8:55am	Duke's Ln.	Kaiulani Ave.	Int. M.P.		
029TTG	Island Movers		71C607	Y	Y	8:04am	8:55am	Duke's Ln.	Kaiulani Ave.	Int. M.P.		
C&C9304	C & C Facilities Maintenance			N	N	8:04am	8:55am	Kaiulani Ave.	Uluniu Ave.	?	9	Same spot as yesterday
T25242	Hawaii Food Service Alliance	958	111958	Y	Y	8:04am	9:37am	Uluniu Ave.	Liliuokalani Ave.			Street has pull-in loading zone, accommodates ~2 large trucks
TNY829	Personal Vehicle			N	N	8:15am	8:30am	Duke's Ln.	Kaiulani Ave.			
087TXA	Tripple F		373021	Y	Y	8:15am	8:30am	Duke's Ln.	Kaiulani Ave.	Int. M.P.		
T27806	Hawaiian Host Honolulu		210627	Y	Y	8:15am	8:55am	Duke's Ln.	Kaiulani Ave.	Int. M.P.	6	
T28227	Penske Rental Box Truck					8:15am	8:40am	Duke's Ln.	Kaiulani Ave.	Int. M.P.		
	Johnson Brother's of Hawaii			N	N	8:15am	8:40am	Seaside Ave.	Duke's Ln.		9	No visible plates, FS Seaside
812TVV	Landscape Hawaii			Y	Y	8:15am	10:05am	Hawaiian Ave.	Seaside Ave.	Kalakaua		
C&C9451	C&C Urban Forestry			N	N	8:15am	9:10am	Lewer's Ave.	Hawaiian Ave.	Kalakaua		Tree trimming, moved down the block to a few spots during the time
CROCS	Crocs			N	N	8:30am	8:50am	Duke's Ln.	Kaiulani Ave.	Crocs		
TRR511	Hertz Rental Car			N	N	8:30am	10:05am	Duke's Ln.	Kaiulani Ave.			Car still parked when finished with collection; no ticket
490TWW	Paradise Beverages			Y	N	8:40am	9:20am	Uluniu Ave.	Liliuokalani Ave.	ABC Store		Only two spots for large trucks at the pull-in on this block
T25640	Y Hata			Y	N	8:44am	9:10am	Uluniu Ave.	Liliuokalani Ave.	ABC Store	14	Double parked in left lane of traffic
786TTW	NA, White Van			Y	N	8:55am	9:15am	Duke's Ln.	Kaiulani Ave.			
029TTG	Island Movers		710607	Y	Y	9:10am	9:35am	Duke's Ln.	Kaiulani Ave.		14	Double parked in left lane of traffic
496TWR	Coco Nene			N	N	9:10am	9:20am	Duke's Ln.	Kaiulani Ave.	Haagen Daaz		
774TTZ	KC Hawaii			Y	N	9:20am	9:30am	Duke's Ln.	Kaiulani Ave.	ABC Store		

KALAKAUA AVENUE COMMERCIAL VEHICLE LOADING ZONE ACTIVITY

Between Lewers and Lilioukalani Avenues Along the Mauka Curb

DATE: 8/24/2021

Special Conditions: Data collected 8:00-10:05 am, heavy rain stopped at 8:04 am

LICENSE PLATE	OPERATOR					TIME		LOCATION			COMMENTS
	Name	Vehicle Number	PUC Number	CCH Permit	SID Permit	Arrive	Depart	Ewa Street Name	DH Street Name	Serving or Near	
T27106	Hawaii Ono Services			Y	Y	9:20am	9:55am	Duke's Ln.	Kaiulani Ave.	ABC Store	
T27806	Hawaiian Host Honolulu			Y	Y	9:30am	10:05am	Liliuokalani Ave.	Kealohilani Ave.	?	9,6
774TTZ	KC Hawaii			Y	N	9:40am	9:55am	Uluniu Ave.	Liliuokalani Ave.		
180TTy	RNDC of Hawaii	521		Y	Y	9:40am	10:05am	Duke's Ln.	Kaiulani Ave.	ABC Store	8
T27976	Ryder Rental Large Truck			N	N	9:40am	10:10am	Duke's Ln.	Kaiulani Ave.	Int. M.P.	
385TWU	The Islander Group			Y	Y	9:40am	9:55am	Duke's Ln.	Kaiulani Ave.	Int. M.P.	
490TWW	Paradise Beverages			Y	N	9:55am	10:05am	Duke's Ln.	Kaiulani Ave.	Int. M.P.	Moved
TSW271	Personal Vehicle			N	N	10:00am	10:05am	Uluniu Ave.	Liliuokalani Ave.		passenger in car
969TVG	Island Deli			Y	Y	10:00am	10:05am	Uluniu Ave.	Liliuokalani Ave.	ABC Store	
TTB177	Personal Vehicle			N	N	10:05am	10:05am	Duke's Ln.	Kaiulani Ave.		
091TXD	Personal Vehicle			Y	N	10:05am	10:05am	Duke's Ln.	Kaiulani Ave.	Int MP	Delivery at the By the Sea or Paradise Designs
TRAFFIC CODE: 4 Within 10 feet of a fire hydrant 7 Within 30 feet of a flashing beacon or stop sign ROH Sec. 15-14.1 1 to 28 5 On a crosswalk 8 Within 75 feet of an approach at a traffic signal 6 Within 20 feet of a crosswalk 9 Within 30 feet of the far side of a traffic signal 14 On the roadway side of any vehicle stopped or parked at the edge or curb of a roadway (double-parked).											

KALAKAUA AVENUE COMMERCIAL VEHICLE LOADING ZONE ACTIVITY

Between Lewers and Lilioukalani Avenues Along the Makai Curb

DATE: 8/30/2021

Special Conditions: Data collected 8:00-10:05 am, sunny

LICENSE PLATE	OPERATOR					TIME		LOCATION			COMMENTS
	Name	Vehicle Number	PUC Number	CCH Permit	SID Permit	Arrive	Depart	Ewa Street Name	DH Street Name	Serving or Near	
TSN323	Personal Vehicle			N	N	8:00am	8:05am	Duke's Ln.	Kaiulani Ave.	Royal Hawaiian Center	
078TTT	Bargreen Ellingson Food Service			N	N	8:00am	8:35am	Duke's Ln.	Kaiulani Ave.	Outrigger Galleria	
212TWU	Kona Brewing			Y	Y	8:00am	10:05am	Duke's Ln.	Kaiulani Ave.	Outrigger Galleria	
190TVA	Anheuser-Busch			Y	Y	8:00am	10:05am	Duke's Ln.	Kaiulani Ave.	Outrigger Galleria	
TPN288	Taxi			N	N	8:00am	8:05am	Duke's Ln.	Kaiulani Ave.	Moana Surfrider	8
TDR142	Personal Vehicle			N	N	8:15am	8:20am	Kaiulani Ave.	Uluniu Ave.	Beach	
WDZ302	Personal Vehicle			N	N	8:15am	8:38am	Kaiulani Ave.	Uluniu Ave.	Beach	
C&C903	Parks and Recreation Vehicle			N	N	8:15am	8:30am	Kaiulani Ave.	Uluniu Ave.		
265TXE	Honolulu Disposal Service			N	N	8:20am	9:30am	Duke's Ln.	Kaiulani Ave.	Outrigger Galleria	4
489TSA	Honolulu Disposal Service			N	N	8:20am	9:30am	Duke's Ln.	Kaiulani Ave.	Outrigger Galleria	4
FFF2	Tripple F			Y	Y	8:25am	8:50am	Duke's Ln.	Kaiulani Ave.	Hawaiian Center	
TSZ522	Taxi			N	N	8:40am	8:55am	Duke's Ln.	Kaiulani Ave.	Moana Surfrider	8
TYJ718	Taxi			N	N	8:40am	9:05am	Duke's Ln.	Kaiulani Ave.	Moana Surfrider	8
TJR852	Taxi			N	N	8:50am	9:00am	Duke's Ln.	Kaiulani Ave.	Outrigger Galleria	
T26486	Manson's Produce			N	N	8:40am	8:55am	Kaiulani Ave.	Uluniu Ave.	Beachside Bistro	
T27217	Y Hata			Y	Y	8:55am	9:15am	Duke's Ln.	Kaiulani Ave.	Galleria/Moana	
SWF124	V.I.P. Transportation			N	N	8:55am	9:15am	Duke's Ln.	Kaiulani Ave.	Galleria/Moana	
T28048	Costco Delivery			Y	Y	8:55am	9:20am	Duke's Ln.	Kaiulani Ave.	Hawaiian Center	

KALAKAUA AVENUE COMMERCIAL VEHICLE LOADING ZONE ACTIVITY

Between Lewers and Lilioukalani Avenues Along the Makai Curb

DATE: 8/30/2021

Special Conditions: Data collected 8:00-10:05 am, sunny

LICENSE PLATE	OPERATOR					TIME		LOCATION			COMMENTS	
	Name	Vehicle Number	PUC Number	CCH Permit	SID Permit	Arrive	Depart	Ewa Street Name	DH Street Name	Serving or Near		
TBE093	Personal Vehicle			N	N	9:04am	9:05am	Duke's Ln.	Kaiulani Ave.	Hawaiian Center	5,6	Passenger pick-up
SZW098	Taxi			N	N	9:14am	9:25am	Duke's Ln.	Kaiulani Ave.	Hawaiian Center		
169TVJ	Akamai Glass			N	N	9:16am	9:25am	Duke's Ln.	Kaiulani Ave.	Hawaiian Center	6	waiting for passenger pick up to clear loading zone
SVT782	Taxi			N	N	9:15am	9:20am	Duke's Ln.	Kaiulani Ave.	Moana Surfrider	8	
0Z HEMI	Personal Vehicle			N	N	9:25am	9:30am	Kaiulani Ave.	Uluniu Ave.	Beach		
SRJ789	Personal Vehicle			N	N	9:27am	9:28am	Duke's Ln.	Kaiulani Ave.	Moana Surfrider		Passenger pick-up
715TVS	Refridgerated Box Truck			Y	Y	9:25am	9:40am	Duke's Ln.	Kaiulani Ave.	Hawaiian Center		
456TVN	Commercial White Van			Y	Y	9:30am	9:40am	Duke's Ln.	Kaiulani Ave.	Outrigger Galeria		
TYR400	Personal Vehicle			N	N	9:30am	9:35am	Duke's Ln.	Kaiulani Ave.	Moana Surfrider		
840XPT	Tryke Recreational Vehicle			N	N	9:35am	9:50am	Duke's Ln.	Kaiulani Ave.	Moana Surfrider		
SFJ974	Personal Vehicle			N	N	9:35am	9:45am	Duke's Ln.	Kaiulani Ave.	Moana Surfrider		
?	Personal Vehicle			N	N	9:38am	9:40am	Duke's Ln.	Kaiulani Ave.	Moana Surfrider		Passenger pick-up
SGR017	Work Pick-Up Truck			N	N	9:38am	9:45am	Duke's Ln.	Kaiulani Ave.	Outrigger Galeria		Not sure what it was for
TNB096	Taxi			N	N	9:38am	9:45am	Duke's Ln.	Kaiulani Ave.	Outrigger Galeria		
TJB793	Personal Vehicle			N	N	9:38am	9:45am	Duke's Ln.	Kaiulani Ave.	Outrigger Galeria		
TVT977	Personal Vehicle			N	N	9:44am	9:46am	Duke's Ln.	Kaiulani Ave.	Moana Surfrider		
TPN288	Taxi			N	N	9:45am	9:50am	Duke's Ln.	Kaiulani Ave.	Moana Surfrider		
TWE157	Waikiki Trolley			Y	Y	10:00am	10:02am	Kaiulani Ave.	Uluniu Ave.	Beach		Trolley stop
RRV396	Personal Vehicle			N	N	10:05am	10:05am	Duke's Ln.	Kaiulani Ave.	Moana Surfrider		Driver loitering

KALAKAUA AVENUE COMMERCIAL VEHICLE LOADING ZONE ACTIVITY

Between Lewers and Lilioukalani Avenues Along the Makai Curb

DATE: 8/30/2021

Special Conditions: Data collected 8:00-10:05 am, sunny

LICENSE PLATE	OPERATOR					TIME		LOCATION			COMMENTS
	Name	Vehicle Number	PUC Number	CCH Permit	SID Permit	Arrive	Depart	Ewa Street Name	DH Street Name	Serving or Near	
HKX123	Personal Vehicle			N	N	10:05am	10:05am	Duke's Ln.	Kaiulani Ave.	Outrigger Galeria	4
109TWT	Fed Ex			N	N	10:05am	10:05am	Duke's Ln.	Kaiulani Ave.	Outrigger Galeria	
292TVC	Commercial White Van			Y	N	10:05am	10:05am	Duke's Ln.	Kaiulani Ave.	Hawaiian Center	
043TWS	ALSCO			Y	Y	10:05am	10:05am	Duke's Ln.	Kaiulani Ave.	Hawaiian Center	
200TWE	Refridgerated White Van			Y	N	10:05am	10:05am	Duke's Ln.	Kaiulani Ave.	Hawaiian Center	
TRAFFIC CODE: 4 <i>Within 10 feet of a fire hydrant</i> 7 <i>Within 30 feet of a flashing beacon or stop sign</i> <i>ROH Sec. 15-14.1 1 to 28</i> 5 <i>On a crosswalk</i> 8 <i>Within 75 feet of an approach at a traffic signal</i> 6 <i>Within 20 feet of a crosswalk</i> 9 <i>Within 30 feet of the far side of a traffic signal</i> 14 <i>On the roadway side of any vehicle stopped or parked at the edge or curb of a roadway (double-parked).</i>											

SEASIDE AVENUE COMMERCIAL VEHICLE LOADING ZONE ACTIVITY

Between Kalakaua and Kuhio Avenues Along Both Curbs

DATE: 8/31/2021

Special Conditions: Data collected 8:00-10:05 am, sunny

LICENSE PLATE	OPERATOR					TIME		LOCATION					COMMENTS
	Name	Vehicle Number	PUC Number	CCH Permit	SID Permit	Arrive	Depart	Mauka Street Name	Makai Street Name	Side of Street: DH or EWA	Serving or Near	Traffic Code	
019TTZ	Pick-Truck w/ Trailer			N	N	8:00am	8:39am	Lauula St.	Kalakaua Ave.	DH	Waikiki Business Plaza		
829HEA	Southern Glazers Wine & Spirits			N	N	8:00am	8:10am	Lauula St.	Kalakaua Ave.	DH	Waikiki Business Plaza		Expired permit sticker
347TRX	ALSCO			Y	Y	8:00am	8:30am	Lauula St.	Kalakaua Ave.	DH	Waikiki Business Plaza		Big truck
WFT662	NUI Tours			N	N	8:10am	8:20am	Kuhio Ave.	Lauula ST.	DH	Ross Building		Tour bus
WFR794	MS&T			N	N	8:10am	8:25am	Kuhio Ave.	Lauula ST.	DH	Ross Building		Big truck
SBU059	Royal Star			Y	Y	8:12am	8:18am	Kuhio Ave.	Lauula ST.	DH	Ross Building		Tour bus
TXY914	Personal Vehicle			N	N	8:12am	8:25am	Kuhio Ave.	Lauula ST.	DH	Ross Building		
TNA099	Personal Vehicle			N	N	8:12am	8:15am	Lauula St.	Kalakaua Ave.	EWA	Waikiki Shopping Plaza		Waiting
NSZ641	Personal Vehicle			N	N	8:15am	8:25am	Kuhio Ave.	Lauula ST.	EWA	Commercial Ctr.		
SRF051	Personal Vehicle			N	N	8:15am	8:20am	Lauula St.	Kalakaua Ave.	EWA	Waikiki Shopping Plaza		
T20598	Frito Lay			Y	Y	8:15am	8:41am	Lauula St.	Kalakaua Ave.	DH	Waikiki Business Plaza		
PFZ688	Personal Vehicle			N	N	8:20am	8:25am	Kuhio Ave.	Lauula ST.	DH	Ross Building		
TBA951	NUI Tours			N	N	8:25am	8:30am	Kuhio Ave.	Lauula ST.	DH	Ross Building		Expired permit sticker
NS785	Personal Vehicle			N	N	8:30am	10:05am	Lauula St.	Kalakaua Ave.	DH	Waikiki Business Plaza		truck; was still there at end of collection period
SST982	Personal Vehicle			N	N	8:30am	8:32am	Kuhio Ave.	Lauula ST.	DH	Ross Building		
TGT409	Personal Vehicle			N	N	8:30am	8:37am	Kuhio Ave.	Lauula ST.	DH	Ross Building		
PZS804	Personal Vehicle			N	N	8:30am	8:32am	Kuhio Ave.	Lauula ST.	DH	Ross Building		
RSU649	Taxi			N	N	8:25am	9:20am	Lauula St.	Kalakaua Ave.	EWA	Waikiki Shopping Plaza		an hour; only one taxi can fit at the moment due to curb-
WDF345	Taxi			N	N	8:35am	9:40am	Kuhio Ave.	Lauula ST.	EWA	Commercial Ctr.		
TYN584	Personal Vehicle			N	N	8:35am	8:41am	Lauula St.	Kalakaua Ave.	EWA	Waikiki Shopping Plaza		

SEASIDE AVENUE COMMERCIAL VEHICLE LOADING ZONE ACTIVITY

Between Kalakaua and Kuhio Avenues Along Both Curbs

DATE: 8/31/2021

Special Conditions: Data collected 8:00-10:05 am, sunny

LICENSE PLATE	OPERATOR					TIME		LOCATION					COMMENTS
	Name	Vehicle Number	PUC Number	CCH Permit	SID Permit	Arrive	Depart	Mauka Street Name	Makai Street Name	Side of Street: DH or EWA	Serving or Near	Traffic Code	
TDE487	Personal Vehicle			N	N	8:39am	8:41am	Kuhio Ave.	Lauula ST.	DH	Ross Building		
RXR777	Limo			N	N	8:39am	8:48am	Kuhio Ave.	Lauula ST.	DH	Hyatt Centric Waikiki Beach	8	
207TVV	Big truck Trailer			N	N	8:45am	8:55am	Kuhio Ave.	Lauula ST.	DH	Hyatt Centric Waikiki Beach	8	
PTV254	Personal Vehicle			N	N	8:45am	8:55am	Lauula St.	Kalakaua Ave.	EWA	Waikiki Shopping Plaza		
549TXF	Personal Vehicle			N	N	8:50am	9:03am	Lauula St.	Kalakaua Ave.	EWA	Waikiki Shopping Plaza		
821TSB	All Services (work truck)			Y	Y	8:50am	9:20am	Lauula St.	Kalakaua Ave.	EWA	Waikiki Shopping Plaza		
TDX912	Personal Vehicle			N	N	8:50am	8:55am	Lauula St.	Kalakaua Ave.	DH	Waikiki Business Plaza		
310TWP	Union1 Auto Glass			N	N	8:50am	10:05am	Lauula St.	Kalakaua Ave.	DH	Waikiki Business Plaza		Truck was still there at end of collection
RDR212	Personal Vehicle			N	N	8:50am	9:13am	Kuhio Ave.	Lauula ST.	EWA	Commercial Ctr.		Delivery
T28057	Sysco			N	N	8:50am	9:25am	Kuhio Ave.	Lauula ST.	DH	Ross Building		
JRD535	Personal Vehicle			N	N	8:50am	9:00am	Kuhio Ave.	Lauula ST.	DH	Ross Building		
591TVN	Hakuyosha Clean Living			N	N	8:55am	9:00am	Kuhio Ave.	Lauula ST.	DH	Ross Building		
RZP499	Taxi			N	N	8:58am	9:06am	Kuhio Ave.	Lauula ST.	DH	Ross Building		
TSR649	Personal Vehicle			N	N	9:00am	9:10am	Kuhio Ave.	Lauula ST.	DH	Ross Building		
516TXF	Personal Vehicle			Y	Y	9:03am	9:43am	Lauula St.	Kalakaua Ave.	EWA	Waikiki Shopping Plaza		Delivery
TTV364	Personal Vehicle			N	N	9:06am	9:08am	Lauula St.	Kalakaua Ave.	EWA	Waikiki Shopping Plaza		
581TWJ	Alakai Mechanical Group			Y	N	9:10am	9:20am	Kuhio Ave.	Lauula ST.	DH	Ross Building		
PWY625	Taxi			N	N	9:12am	9:14am	Kuhio Ave.	Lauula ST.	DH	Ross Building		
586TWF	Loomis			N	N	9:15am	9:25am	Lauula St.	Kalakaua Ave.	DH	Waikiki Business Plaza		
T27106	Hawaiian Ono Services			Y	Y	9:18am	9:25am	Lauula St.	Kalakaua Ave.	DH	Waikiki Business Plaza		

SEASIDE AVENUE COMMERCIAL VEHICLE LOADING ZONE ACTIVITY

Between Kalakaua and Kuhio Avenues Along Both Curbs

DATE: 8/31/2021

Special Conditions: Data collected 8:00-10:05 am, sunny

LICENSE PLATE	OPERATOR					TIME		LOCATION					COMMENTS
	Name	Vehicle Number	PUC Number	CCH Permit	SID Permit	Arrive	Depart	Mauka Street Name	Makai Street Name	Side of Street: DH or EWA	Serving or Near	Traffic Code	
WDG392	Personal Vehicle			N	N	9:18am	9:21am	Kuhio Ave.	Lauula ST.	EWA	Commercial Ctr.		Delivery
P15002	Robert's Hawaii			N	N	9:19am	9:43am	Kuhio Ave.	Lauula ST.	DH	Ross Building		Expired
RYR909	Taxi			N	N	9:19am	9:25am	Kuhio Ave.	Lauula ST.	DH	Ross Building		
TPT256	Personal Vehicle			N	N	9:19am	9:25am	Kuhio Ave.	Lauula ST.	DH	Ross Building		
TRY414	Personal Vehicle			N	N	9:21am	9:22am	Kuhio Ave.	Lauula ST.	EWA	Commercial Ctr.		Passenger pick-up
TSR649	Taxi			N	N	9:22am	9:39am	Kuhio Ave.	Lauula ST.	DH	Ross Building		
WDF346	Taxi			N	N	9:25am	9:30am	Lauula St.	Kalakaua Ave.	EWA	Waikiki Shopping Plaza		Taxi zone
TSS513	Personal Vehicle			N	N	9:25am	9:30am	Kuhio Ave.	Lauula ST.	EWA	Commercial Ctr.		
WDY417	Personal Vehicle			N	N	9:25am	9:52am	Kuhio Ave.	Lauula ST.	DH	Ross Building		
TWA951	Personal Vehicle			N	N	9:25am	9:30am	Lauula St.	Kalakaua Ave.	EWA	Waikiki Shopping Plaza		
022TTU	Commercial White Van			Y	N	9:34am	9:41am	Lauula St.	Kalakaua Ave.	DH	ABC Store		Delivery
RDR212	Personal Vehicle			N	N	9:35am	9:40am	Kuhio Ave.	Lauula ST.	EWA	Commercial Ctr.		Popular musubi store
SFP113	Personal Vehicle			N	N	9:40am	9:42am	Kuhio Ave.	Lauula ST.	DH	Ross Building		
TJA357	Personal Vehicle			N	N	9:41am	9:43am	Kuhio Ave.	Lauula ST.	DH	Ross Building		
FBCH18	Personal Vehicle			Y	Y	9:41am	9:55am	Lauula St.	Kalakaua Ave.	DH	ABC Store		Delivery
TWV226	Personal Vehicle			N	N	9:41am	9:43am	Lauula St.	Kalakaua Ave.	DH	Waikiki Business Plaza		Loitering
NFD965	Taxi			N	N	9:41am	10:05am	Lauula St.	Kalakaua Ave.	EWA	Waikiki Shopping Plaza		Loitering in Taxi zone at end of collection
RZP499	Taxi			N	N	9:52am	10:05am	Kuhio Ave.	Lauula ST.	DH	Ross Building		Loitering in Loading zone at end of collection
WDG392	Personal Vehicle			N	N	9:55am	9:56am	Kuhio Ave.	Lauula ST.	EWA	Commercial Ctr.		Delivery to musubi café van on next line
645TWW	Musubi Café Iyasume			?	?	9:55am	9:56am	Kuhio Ave.	Lauula ST.	EWA	Commercial Ctr.		on previous line; could not see permits before they

SEASIDE AVENUE COMMERCIAL VEHICLE LOADING ZONE ACTIVITY

Between Kalakaua and Kuhio Avenues Along Both Curbs

DATE: 8/31/2021

Special Conditions: Data collected 8:00-10:05 am, sunny

LICENSE PLATE	OPERATOR					TIME		LOCATION					COMMENTS
	Name	Vehicle Number	PUC Number	CCH Permit	SID Permit	Arrive	Depart	Mauka Street Name	Makai Street Name	Side of Street: DH or EWA	Serving or Near	Traffic Code	
WDN688	Personal Vehicle			N	N	9:55am	9:59am	Kuhio Ave.	Lauula ST.	DH	Ross Building		Delivery
TZG295	Personal Vehicle			N	N	9:55am	9:55am	Kuhio Ave.	Lauula ST.	DH	Ross Building		
SNB716	Royal Star Tour Bus			Y	Y	9:56am	10:05am	Kuhio Ave.	Lauula ST.	DH	Ross Building		drivers/team went to get musubi
TTN968	Royal Star Van			Y	Y	9:57am	10:05am	Kuhio Ave.	Lauula ST.	DH	Ross Building		drivers/team went to get musubi
670TTS	Island Movers			N	N	10:02am	10:05am	Lauula St.	Kalakaua Ave.	DH	Waikiki Business Plaza		Present at end of collection
TRAFFIC CODE: 4 Within 10 feet of a fire hydrant 7 Within 30 feet of a flashing beacon or stop sign ROH Sec. 15-14.1 1 to 28 5 On a crosswalk 8 Within 75 feet of an approach at a traffic signal 6 Within 20 feet of a crosswalk 9 Within 30 feet of the far side of a traffic signal 14 On the roadway side of any vehicle stopped or parked at the edge or curb of a roadway (double-parked).													

LEWERS AVENUE COMMERCIAL VEHICLE LOADING ZONE ACTIVITY
 Between Kalakaua and Kalia Avenue Along Both the Ewa and Diamond Head Curbs

DATE: 9/1/2021

Special Conditions: Data collected 8:00-10:05 am, sunny

LICENSE PLATE	OPERATOR					TIME		LOCATION					COMMENTS
	Name	Vehicle Number	PUC Number	CCH Permit	SID Permit	Arrive	Depart	Mauka Street Name	Makai Street Name	Side of Street: DH or EWA	Serving or Near	Traffic Code	
166TXE	Landscape Hawaii			Y	Y	8:00am	8:15am	Kuhio Ave.	Lauula St.	EWA	Aqua Oasis Hotel/82		See photo of map for key to "Serving or Near"
WDF100	Taxi			N	N	8:00am	10:00am	Kuhio Ave.	Lauula St.	EWA	Aqua Oasis Hotel/82		
115TVZ	White Van			Y	Y	8:00am	8:50am	Lauula St.	Kalakaua Ave.	DH	Hawaii Building		See pic of permits
714TWU	Wasa Electrical			N	N	8:00am	10:05am	Lauula St.	Kalakaua Ave.	EWA	Waikiki Bazaar		Vehicle parked entire collection period with no permits and "No Parking" Signs placed around. See pictures.
346TTJ	Commercial Plumbing Inc.			Y	N	8:00am	10:05am	Lauula St.	Kalakaua Ave.	EWA	Waikiki Bazaar		Vehicle parked entire collection period; may be working on construction project across Kalakaua Ave; see pic for no SID, but has city permit.
711TVZ	Preferred AC Service			Y	Y	8:00am	10:05am	Lauula St.	Kalakaua Ave.	EWA	Waikiki Bazaar		Permits creatively placed; see photo
975TWX	Work pick-up truck			N	N	8:00am	10:05am	Kalakaua Ave.	Don Ho St.	EWA	Hokulani/40		Sidewalk closed and curb-side parking coned off for construction project at hotel; vehicle parked for duration of collection period.
196TWG	Work pick-up truck			N	N	8:00am	10:05am	Kalakaua Ave.	Don Ho St.	EWA	Hokulani/40		Sidewalk closed and curb-side parking coned off for construction project at hotel; vehicle parked for duration of collection period.
TTX475	Personal Vehicle			N	N	8:00am	10:05am	Kalakaua Ave.	Don Ho St.	EWA	Hokulani/40		Sidewalk closed and curb-side parking coned off for construction project at hotel; vehicle parked for duration of collection period.

LEWERS AVENUE COMMERCIAL VEHICLE LOADING ZONE ACTIVITY
 Between Kalakaua and Kalia Avenue Along Both the Ewa and Diamond Head Curbs

DATE: 9/1/2021

Special Conditions: Data collected 8:00-10:05 am, sunny

LICENSE PLATE	OPERATOR					TIME		LOCATION					COMMENTS
	Name	Vehicle Number	PUC Number	CCH Permit	SID Permit	Arrive	Depart	Mauka Street Name	Makai Street Name	Side of Street: DH or EWA	Serving or Near	Traffic Code	
WDX795	Personal Vehicle			N	N	8:18am	8:20am	Kalakaua Ave.	Don Ho St.	EWA	44	No Parking	No Parking Zone, some quick passenger pick-ups/drops and some deliveries to ABC and other stores.
?	USPS			N	N	8:15am	8:28am	Don Ho St.	Helumoa Rd.	DH	Fairfield Waikiki at Waikiki Beach Walk	No Parking	No Parking Zone with a few small eateries and shops; vehicles make quick stops to pick up food/passengers, make deliveries.
SXU920	Speedi Shuttle			N	N	8:15am	8:25am	Don Ho St.	Helumoa Rd.	DH	Waikiki at Waikiki	No Parking	
575TWZ	TRANE (van)			N	N	8:15am	8:25am	Don Ho St.	Helumoa Rd.	DH	Waikiki at Waikiki	No Parking	
D5371	Personal Vehicle			N	N	8:15am	8:25am	Don Ho St.	Helumoa Rd.	DH	Waikiki at Waikiki	No Parking	
857TVY	Elite Mechanical			Y	Y	8:15am	8:25am	Don Ho St.	Helumoa Rd.	DH	Waikiki at Waikiki	No Parking	Stickers on driver's side
TXU539	Personal Vehicle			N	N	8:18am	8:20am	Helumoa Rd.	Kalia Rd.	DH	Imperial Hotel Waikiki		
WILLING	Personal Vehicle			N	N	8:15am	8:25am	Helumoa Rd.	Kalia Rd.	DH	Imperial Hotel Waikiki		
903TTW	Personal Vehicle			N	N	8:15am	8:55am	Helumoa Rd.	Kalia Rd.	DH	Imperial Hotel Waikiki		Maybe work truck
165TXE	Landscape Hawaii			Y	Y	8:15am	10:05am	Helumoa Rd.	Kalia Rd.	DH	Imperial Hotel Waikiki		Vehicle present at end of collection period
994TWF	Landscape Hawaii			Y	N	8:15am	9:45am	Helumoa Rd.	Kalia Rd.	DH	Imperial Hotel Waikiki		Sticker on driver's side, see pics, one has both trucks pictured: one with stickers correctly placed, one not.
BGMAT1	Personal Vehicle			N	N	8:25am	8:35am	Don Ho St.	Helumoa Rd.	DH	Waikiki at Waikiki	4	
PJW767	Personal Vehicle			N	N	8:29am	8:30am	Kalakaua Ave.	Don Ho St.	DH	44	No Parking	
SSZ271	Personal Vehicle			N	N	8:30am	10:00am	Lauula St.	Kalakaua Ave.	EWA	Waikiki Bazaar		

LEWERS AVENUE COMMERCIAL VEHICLE LOADING ZONE ACTIVITY
 Between Kalakaua and Kalia Avenue Along Both the Ewa and Diamond Head Curbs

DATE: 9/1/2021

Special Conditions: Data collected 8:00-10:05 am, sunny

LICENSE PLATE	OPERATOR					TIME		LOCATION					COMMENTS
	Name	Vehicle Number	PUC Number	CCH Permit	SID Permit	Arrive	Depart	Mauka Street Name	Makai Street Name	Side of Street: DH or EWA	Serving or Near	Traffic Code	
WCV045	Work truck			N	N	8:30am	10:05am	Lauula St.	Kalakaua Ave.	DH	Bank of Hawaii Building		Two men from truck worked on fixing railing outside of building where parked
TSN273	Personal Vehicle			N	N	8:30am	8:40am	Lauula St.	Kalakaua Ave.	DH	Hawaii Building		Car running, with driver inside
TDZ799	Personal Vehicle			N	N	8:30am	9:00am	Kuhio Ave.	Lauula St.	EWA	Aqua Oasis Hotel/82		
NPA953	Personal Vehicle			N	N	8:40am	8:55am	Kalakaua Ave.	Don Ho St.	EWA	44	No Parking	
LFC 974	Personal Vehicle			N	N	8:40am	8:45am	Don Ho St.	Helumoa Rd.	DH	Waikiki at Waikiki	No Parking	Food pick-up
946TSZ	Personal Vehicle			N	N	8:48am	8:55am	Helumoa Rd.	Kalia Rd.	DH	Imperial Hotel Waikiki		Small delivery of collared aloha shirts
SPS857	Personal Vehicle			N	N	8:50am	8:52am	Kalakaua Ave.	Don Ho St.	EWA	44	No Parking	Passenger drop-off
514TWT	Work truck			N	N	8:50am	10:05am	Kalakaua Ave.	Don Ho St.	EWA	Hokulani/40		Arrived at construction site; vehicle present at end of collection
972TVY	BEK Inc.			N	N	8:50am	9:00am	Kalakaua Ave.	Don Ho St.	EWA	Hokulani/40		Construction site
SFA743	Dolphins and You			Y	N	8:50am	9:05am	Lauula St.	Kalakaua Ave.	DH	Hawaii Building		city permits, no SID permit, no pic.
972TWS	Preferred AC Service			N	N	8:54am	10:05am	Lauula St.	Kalakaua Ave.	DH	Hawaii Building		Vehicle present at end of collection.
NTF643	Personal Vehicle			N	N	8:54am	9:35am	Lauula St.	Kalakaua Ave.	DH	Hawaii Building		
259TWD	Personal Vehicle			N	N	8:54am	9:00am	Kuhio Ave.	Lauula St.	EWA	Aqua Oasis Hotel/82		
JNT751	Personal Vehicle			N	N	8:54am	9:00am	Lauula St.	Kalakaua Ave.	EWA	Waikiki Bazaar		
TSJ451	Work truck			N	N	9:00am	10:05am	Kalakaua Ave.	Don Ho St.	EWA	Hokulani/40		Arrived at construction site; present at end of collection
TZY237	Personal Vehicle			N	N	9:00am	9:05am	Don Ho St.	Helumoa Rd.	DH	Waikiki at Waikiki	No Parking	Food pick-up
697TWV	White Van			?	?	9:00am	9:05am	Don Ho St.	Helumoa Rd.	DH	Waikiki at Waikiki	No Parking	

LEWERS AVENUE COMMERCIAL VEHICLE LOADING ZONE ACTIVITY
 Between Kalakaua and Kalia Avenue Along Both the Ewa and Diamond Head Curbs

DATE: 9/1/2021

Special Conditions: Data collected 8:00-10:05 am, sunny

LICENSE PLATE	OPERATOR					TIME		LOCATION					COMMENTS
	Name	Vehicle Number	PUC Number	CCH Permit	SID Permit	Arrive	Depart	Mauka Street Name	Makai Street Name	Side of Street: DH or EWA	Serving or Near	Traffic Code	
825TXE	AT&T			N	N	9:05am	10:05am	Don Ho St.	Helumoa Rd.	DH	Fairfield Waikiki at Waikiki Beach Walk	No Parking	behind (before ticket) and the front, through the bushes (just after ticket, you can barely see cop behind him in the pic)
078TVT	White Van			?	?	9:00am	9:05am	Don Ho St.	Helumoa Rd.	DH	Waikiki at Waikiki	No Parking	
SFF481	Personal Vehicle			N	N	9:00am	9:05am	Don Ho St.	Helumoa Rd.	DH	Waikiki at Waikiki	No Parking	
378TVG	The Satellite Guy			Y	N	9:00am	10:05am	Helumoa Rd.	Kalia Rd.	DH	Imperial Hotel Waikiki		Present at end of collection
241TSA	Alakai Mechanical Group			Y	N	9:05am	10:05am	Helumoa Rd.	Kalia Rd.	DH	Imperial Hotel Waikiki		Present at end of collection
714TXE	Work truck			N	N	9:14am	9:20am	Lauula St.	Kalakaua Ave.	DH	Hawaii Building		Cleaners/maid service
TJT752	Personal Vehicle			N	N	9:10am	9:15am	Lauula St.	Kalakaua Ave.	EWA	Waikiki Bazaar		
WCY055	Personal Vehicle			N	N	9:15am	9:20am	Kalakaua Ave.	Don Ho St.	EWA	44	No Parking	
RYLYNN	Personal Vehicle			N	N	9:15am	9:20am	Don Ho St.	Helumoa Rd.	DH	Waikiki at Waikiki	No Parking	
995TWX	White Passenger Van			N	N	9:20am	9:25am	Don Ho St.	Helumoa Rd.	DH	Waikiki at Waikiki	No Parking	Passenger pick-up
PVA721	Personal Vehicle			N	N	9:25am	9:30am	Kalakaua Ave.	Don Ho St.	EWA	44	No Parking	
TDJ063	Personal Vehicle			N	N	9:30am	9:40am	Kuhio Ave.	Lauula St.	EWA	Aqua Oasis Hotel/82		
TVT543	Personal Vehicle			N	N	9:35am	9:36am	Don Ho St.	Helumoa Rd.	DH	Waikiki at Waikiki	No Parking	
HPD176	HPD vehicle			N	N	9:33am	9:37am	Don Ho St.	Helumoa Rd.	DH	Fairfield Waikiki at Waikiki Beach Walk	No Parking	HPD giving AT&T truck a ticket; the only vehicle I saw get ticketed during the entire study period
545TVD	HAGADONE Media Group			Y	Y	9:40am	9:45am	Kalakaua Ave.	Don Ho St.	EWA	44	No Parking	Quick paper drop; see pic of vehicle, NP zone
227TXG	Work truck			Y	Y	9:40am	9:45am	Lauula St.	Kalakaua Ave.	EWA	Waikiki Bazaar		

LEWERS AVENUE COMMERCIAL VEHICLE LOADING ZONE ACTIVITY

Between Kalakaua and Kalia Avenue Along Both the Ewa and Diamond Head Curbs

DATE: 9/1/2021

Special Conditions: Data collected 8:00-10:05 am, sunny

WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

Appendix B

Kalakaua Makai Street Zone Observations.....

Kalakaua Makai 24 Hour Vehicle Observations..... B- 1



**Waikīkī Transportation Management
Special Improvement District**

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KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE								ROYAL HAWAIIAN SC		COMMENTS		
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk	ZONE E: Loading Zone #2			ZONE F: Dock		
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock	
4890	4949	:00	:05		1-taxi	0	0	0	0	1-car	0	0	0	0	0	0	0	0	
4950	5009	:05	:10		same taxi	0	0	0	0	1-taxi	0	0	0	0	0	0	0	0	
5010	5069	:10	:15		0	0	0	0	0	1-van	0	0	0	2-taxis	0	0	0	0	
5070	5129	:15	:20		0	0	1	0	0	0	0	0	0	same 1-taxi; 1-pickup	0	0	0	0	Grey pickup arrives in Zone E-1 at 12:19 AM and leaves at 1:18 AM.
5130	5189	:20	:25		0	0	0	0	0	1-taxi	0	0	0	same vehicles	0	0	0	0	
5190	5249	:25	:30		0	0	0	0	0	1-car	0	0	0	1-taxi; 1-pickup	0	0	0	0	
5250	5309	:30	:35		0	0	0	1	0	0	0	0	0	same pickup	0	0	0	0	
5310	5369	:35	:40		0	0	1 scooter	0	0	0	0	0	0	same pickup	0	0	0	0	
5370	5429	:40	:45		0	0	0	0	0	0	0	0	0	s. pickup & 1-van	0	0	0	0	White van arrives in Zone E-1 at 12:41 AM and leaves at 1:20 AM.
5430	5489	:45	:50		0	0	0	0	0	1-car	0	0	0	same vehicles	0	0	0	0	
5490	5549	:50	:55		0	0	0	0	0	2-cars	0	0	0	same vehicles	0	0	0	0	
5550	5609	:55	1:00		0	0	0	0	0	1-car	0	0	0	same vehicles	0	0	0	0	
HOUR TOTALS		:00	1:00		1	0	2	1	0	9	0	0	0	6	0	0	0	0	

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE								ROYAL HAWAIIAN SC		COMMENTS		
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk	ZONE E: Loading Zone #2			ZONE F: Dock		
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock	
5610	5669	1:00	1:05		0	0	0	1	1	same vehicle	0	0	0	same vehicles	0	0	0	0	Car arrives in Zone B-3 at 1:02 AM and leaves at 1:16 AM.
5670	5729	1:05	1:10		0	0	0	0	same vehicle	same vehicle	0	0	0	same vehicles	0	0	0	0	
5730	5789	1:10	1:15		0	0	0	1	same vehicle	same vehicle	0	0	0	same vehicles	0	0	0	0	Car arrives in Zone C-1 at 12:57 AM and leaves at 1:35 AM.
5790	5849	1:15	1:20		0	0	0	0	same vehicle	same vehicle	0	0	0	same vehicles	0	0	0	0	
5850	5909	1:20	1:25		0	0	0	0	0	same vehicle	0	0	0	0	0	0	0	0	
5910	5969	1:25	1:30		0	0	0	0	0	same vehicle	white laundry truck #1	0	0	1-pickup	0	0	0	0	Laundry Truck #1 arrives in Zone C-2 at 1:29 AM and moves to the mauka side at 1:51 AM.
5970	6029	1:30	1:35		0	0	0	0	0	same vehicle	same vehicle	0	0	same vehicles	0	0	0	0	
6030	6089	1:35	1:40		0	0	0	0	0	same vehicle	same vehicle	0	0	1-pickup	0	0	0	0	
6090	6149	1:40	1:45		0	0	0	1	0	0	same vehicle	0	0	2-vehicles	0	0	0	0	Grey car arrives in Zone E-1 at 1:44 AM and leaves at 2:11 AM.
6150	6209	1:45	1:50		0	0	0	0	1	0	same vehicle	0	0	same vehicles	0	0	0	0	
6210	6269	1:50	1:55		0	0	0	0	0	white laundry truck #2	0	0	1-vehicle	0	white laundry truck #2	0	0	Laundry Truck #2 arrives in Zone E-3 at 1:51 AM and moves to Zone C-2 at 1:52 AM.	
HOUR TOTALS		1:00	2:00		0	0	1	3	2	1	2	0	0	7	0	1	0	0	
NEW VEHICLES		1:00	2:00		0	0	1	3	2	0	2	0	0	5	0	1	0	0	

KAKAKUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE								ROYAL HAWAIIAN SC		COMMENTS		
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk		ZONE E: Loading Zone #2				
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock	
6330	6389	2:00	2:05								same vehicle				same vehicle				
6390	6449	2:05	2:10																
6450	6509	2:10	2:15																
6510	6569	2:15	2:20																
6570	6629	2:20	2:25																
6630	6689	2:25	2:30																
6690	6749	2:30	2:35																
6750	6809	2:35	2:40																
6810	6869	2:40	2:45																
6870	6929	2:45	2:50																
6930	6989	2:50	2:55																
6990	7049	2:55	3:00																
HOUR TOTALS		2:00	3:00		0	0	0	0	0	0	1	0	0	1	0	0	0	0	
NEW VEHICLES		2:00	3:00		0	0	0	0	0	0	0	0	0	0	0	0	0	0	

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE									ROYAL HAWAIIAN SC		COMMENTS	
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk		ZONE E: Loading Zone #2			ZONE F: Dock	
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock	
7050	7109	3:00	3:05								vehicle				vehicle				
7110	7169	3:05	3:10								same								
7170	7229	3:10	3:15								same								
7230	7289	3:15	3:20								same								
7290	7349	3:20	3:25								same					delivery truck			
7350	7409	3:25	3:30							car		same					same		
7410	7469	3:30	3:35								same				car		same		
7470	7529	3:35	3:40																
7530	7589	3:40	3:45											Pick-up truck					
7590	7649	3:45	3:50																
7650	7709	3:50	3:55																
7710	7769	3:55	4:00						1										
HOUR TOTALS		3:00	4:00		0	0	0	1	1	0	1	0	0	3	0	1	0	0	

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE									ROYAL HAWAIIAN SC		COMMENTS	
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk		ZONE E: Loading Zone #2			ZONE F: Dock	
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock	
7770	7829	4:00	4:05																
7830	7889	4:05	4:10										car						
7890	7949	4:10	4:15						1										
7950	8009	4:15	4:20																
8010	8069	4:20	4:25						2										
8070	8129	4:25	4:30												semi truck				
8130	8189	4:30	4:35										van			same			
8190	8249	4:35	4:40			taxi	1			delivery truck						same			
8250	8309	4:40	4:45			same				same						same			
8310	8369	4:45	4:50			same		1	car	2 truck	1-car, 1-bus					same			
8370	8429	4:50	4:55			same	1	2	truck	same 1 truck	garbage truck					same		taxi van	
8430	8489	4:55	5:00			same		2	same	same	same					same		same	
HOUR TOTALS		4:00	5:00		0	1	4	6	2	4	3	0	0	1	0	1	0	0	

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE								ROYAL HAWAIIAN SC		COMMENTS			
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk	ZONE E: Loading Zone #2			ZONE F: Dock			
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock		
8490	8549	5:00	5:05			same			1				same vehicle	delivery truck		same vehicle				another garbage disposal for c-2
8550	8609	5:05	5:10			same				taxi van			same	same		same		box truck		more garbage
8610	8669	5:10	5:15			same			1	car			same			same		same		more garbage
8670	8729	5:15	5:20						2 cars			same			same			same		more garbage
8730	8789	5:20	5:25									same			same		van	same		more garbage
8790	8849	5:25	5:30				4	1	taxi		2 garbage				same	car	same	same		first garbage left at 5:26, new garbage truck at 5:27
8850	8909	5:30	5:35			taxi						same			same		same	same		new garbage truck using pick up from A out to deliver garbage
8910	8969	5:35	5:40			same	1	1				same			same			same		
8970	9029	5:40	5:45			same			4			same			same			same		more garbage
9030	9089	5:45	5:50			same			1			same			same			same		more garbage
9090	9149	5:50	5:55			same			2			same			same			same		more garbage
9150	9209	5:55	6:00			same	2								same	car	same	delivery van		
HOUR TOTALS		5:00	6:00		0	2	7	11	5	0	3	1	0	1	1	2	1	1		
NEW VEHICLES		5:00	6:00		0	1	7	11	5	0	2	1	0	0	1	2	1	1		

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE								ROYAL HAWAIIAN SC		COMMENTS		
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk	ZONE E: Loading Zone #2			ZONE F: Dock		
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock	
9210	9269	6:00	6:05		taxi	same	1	2		van				same vehicle			delivery truck	same	
9270	9329	6:05	6:10		same	same		1		box truck	car			same		delivery van	same	same	
9330	9389	6:10	6:15		same	same		1	taxi van	same				same		same	same	same	
9390	9449	6:15	6:20		same	taxi	1	1		1-taxi, 1-van				same		same	same	same	
9450	9509	6:20	6:25				taxi	1		Same + new van				same	ice cream truck	same	same	same	
9510	9569	6:25	6:30		taxi	same	1			Same 2 vans			1-taxi 1-car	same	same	same	same	same	
9570	9629	6:30	6:35		same	same	2			1-same van				same	same	Same + pick-up truck	same	same	additional pick-up truck in e-3 was only there for a moment
9630	9689	6:35	6:40		same	same	1	2		same				same	same	same	same	same	
9690	9749	6:40	6:45		same	same	2							same		same	same	black suv in zone F at 6:41	
9750	9809	6:45	6:50		same	same	1			car			van	same	van		same	same	
9810	9869	6:50	6:55		same	same	1		car	1-bus , 1-van				same	same		same	same	
9870	9929	6:55	7:00		same		1							same	same		same	same	
HOUR TOTALS		6:00	7:00		2	3	11	8	2	8	1	0	2	1	2	2	1	1	
NEW VEHICLES		6:00	7:00		2	2	11	8	2	8	1	0	2	1	2	2	1	1	

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE									ROYAL HAWAIIAN SC		COMMENTS		
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk		ZONE E: Loading Zone #2			ZONE F: Dock		
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock		
9930	9989	7:00	7:05		taxi	same	1	1		1-car, 1-van					same			same		
1	60	7:05	7:10		same	taxi		1		same van					same			same		
61	120	7:10	7:15		same	same		1		van					same			same		
121	180	7:15	7:20		Same + 1-car	same	1	1		Same + 1 van					same			same	flatbed	
181	240	7:20	7:25		same car	same	1		car	box truck	orange bus				same			same	same	
241	300	7:25	7:30		same	taxi	1			same					same			same	same	
301	360	7:30	7:35		same	same	2			same					same			same	same	
361	420	7:35	7:40		same	same	1	2		delivery van					same	utility van		same	same	
421	480	7:40	7:45		same	same	2		car	car	white van				same	same		same	same	
481	540	7:45	7:50		taxi	same	1		car	same	same				same	same	car	same	same	
541	600	7:50	7:55		same		1			taxi				car	same	big budlight truck		same	same	
601	660	7:55	8:00		same			1		box truck					same	same		same	same	
HOUR TOTALS		7:00	8:00		3	3	11	7	3	10	2	0	1	1	2	1	1	1		
NEW VEHICLES		7:00	8:00		3	2	11	7	3	10	2	0	1	0	2	1	0	1		

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE								ROYAL HAWAIIAN SC		COMMENTS			
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk	ZONE E: Loading Zone #2			ZONE F: Dock			
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock		
661	720	8:00	8:05			taxi	1	3	car	same	box truck			same	same		same	same		
721	780	8:05	8:10			taxi	same	1			same	same		taxi	same	same		same	same	
781	840	8:10	8:15		same	same	1	1		same	Same + new box truck			same	same		same	same		
841	900	8:15	8:20					5		same	same box truck			same	same		same	Same + car		
901	960	8:20	8:25			taxi	3		car	same	same			same	same		same	Same 2		
961	1020	8:25	8:30			taxi	same		2	van	same	same			same	same		same	same	car left F
1021	1080	8:30	8:35		same	taxi	4			same	same			same	same		same	same		
1081	1140	8:35	8:40			same	2	3		same	same			same	same		same	same		
1141	1200	8:40	8:45			taxi	taxi	3	1-taxi 2-van	same	same		2-van	same	same		same	same		
1201	1260	8:45	8:50			taxi	taxi	1	1-taxi same van	same	same		same van	same	same		same	same		
1261	1320	8:50	8:55			same			3	same	same		1-taxi 1-truck	same	same		same	same		
1321	1380	8:55	9:00			taxi	1		orange bus	same	same		Same 2	same	same		same	same		
HOUR TOTALS		8:00	9:00		4	6	17	17	6	1	2	0	4	1	1	0	1	2		
NEW VEHICLES		8:00	9:00		4	6	17	17	6	0	2	0	4	0	0	0	0	1		

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE									ROYAL HAWAIIAN SC		COMMENTS		
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk		ZONE E: Loading Zone #2			ZONE F: Dock		
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock		
1381	1440	9:00	9:05		taxi	same			2	van	same	same			same	same		same	same	b-2 second car waiting in walkway
1441	1500	9:05	9:10			same			3		same	same			same	same		same	same	b-3 van was blocking both taxis in A so it moved
1501	1560	9:10	9:15		taxi	same	4	1	2-van	same	same				same	same		same	same	
1561	1620	9:15	9:20		same	same	3	1		same	same				same	same		same	same	
1621	1680	9:20	9:25		taxi	taxi	3	1	taxi		same				same	same		same	same	
1681	1740	9:25	9:30		same	taxi	1	3	bus		same	van			same	same		same	same	c loading zone became blocked
1741	1800	9:30	9:35		taxi	taxi	4	4	car		same				same	same		same		
1801	1860	9:35	9:40		taxi		1	1	car		same	van			same	same		same		C zone blocked again
1861	1920	9:40	9:45		taxi	taxi	2		car	Tour van	same	car			same	same		same	van	
1921	1980	9:45	9:50		taxi	same	2		tour van	same	same		car		same			same	same	C zone still blocked for regular cars due to box truck
1981	2040	9:50	9:55		same	same	1	2	car		same	car			same			same	same	
2041	2100	9:55	10:00		same		1	1			same				same			same	same	
HOUR TOTALS		9:00	10:00		6	5	22	19	9	2	1	4	1	1	1	0	1	2		
NEW VEHICLES		9:00	10:00		6	4	22	19	9	1	0	4	1	0	0	0	0	1		

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE									ROYAL HAWAIIAN SC		COMMENTS	
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk		ZONE E: Loading Zone #2			ZONE F: Dock	
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock	
2101	2160	10:00	10:05		same	taxi	3	2		same	van		same	van		same	same	C zone blocked	
2161	2220	10:05	10:10				3	3		same		car	same	same	car	same	same		
2221	2280	10:10	10:15				5	3		same	car	tour bus	same	same		same	same		
2281	2340	10:15	10:20					2	1-car, 1-taxi	same			same	same		same	same +van		
2341	2400	10:20	10:25				1	1	car	same	car	van	same	box truck		same	Same 2	C-2 box truck moved into C-1 zone at 10:25 am	
2401	2460	10:25	10:30			taxi	2	3		same truck		car	same	same		same	Same 2		
2461	2520	10:30	10:35			same	3			same			same			same	Same 2		
2521	2580	10:35	10:40			taxi	1			same			same			same	Same 2		
2581	2640	10:40	10:45			taxi	same		1	same			same	car		same	Same 2		
2641	2700	10:45	10:50			same	taxi	2		same		car	same			same	Same 2		
2701	2760	10:50	10:55			taxi	same	4	4	same			same			same	Same 2		
2761	2820	10:55	11:00			same	same		1	taxi	same	taxi	same	van	car	same	Same 2		
HOUR TOTALS		10:00	11:00		3	4	6	9	4	1	1	4	5	1	4	2	1	2	
NEW VEHICLES		10:00	11:00		2	4	6	9	4	1	0	4	5	0	4	2	0	1	

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE								ROYAL HAWAIIAN SC		COMMENTS			
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk	ZONE E: Loading Zone #2			ZONE F: Dock			
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock		
2821	2880	11:00	11:05		same	taxi	2	2	car	same					same			same	Same 2	
2881	2940	11:05	11:10		same	same	2	1		same					same			same	Same 2	
2941	3000	11:10	11:15		taxi	same		1		same	truck			car	same			same	Same 2	
3001	3060	11:15	11:20		same	same	1	2		same	same	car			same			same	Same 2	
3061	3120	11:20	11:25		same		2	4		same					same			same	Same 2	
3121	3180	11:25	11:30		same	taxi	3	5		same					same			same	Same 2	
3181	3240	11:30	11:35		taxi	same	2	4		same	van				same				Same 2	
3241	3300	11:35	11:40		same	same	3	1	car	van taxi car					same			1 same	Truck leaving zone C cleared up traffic a little bit	
3301	3360	11:40	11:45		same	same	2	3		same car	van	van			same			same		
3361	3420	11:45	11:50		same	same	1	2	flatbed	2-car					same			same		
3421	3480	11:50	11:55		same	same		1	same	car firetruck					same			same		
3481	3540	11:55	12:00		same		3	1	same	same firetruck				car	same			same	firetruck blocking crosswalk traffic	
HOUR TOTALS		11:00	12:00		3	2	21	27	3	8	3	2	2	2	1	0	0	1	2	
NEW VEHICLES		11:00	12:00		2	2	21	27	3	7	3	2	2	0	0	0	0	0		

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE									ROYAL HAWAIIAN SC		COMMENTS	
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk		ZONE E: Loading Zone #2			ZONE F: Dock	
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock	
3541	3600	12:00	12:05		same	taxi	2	3	same	same				car	same			same	
3601	3660	12:05	12:10			same	3	2		same				van, car	same			same	
3661	3720	12:10	12:15			same			van	same					same			car	
3721	3780	12:15	12:20			same	2	3		same					same	van		Same + van	
3781	3840	12:20	12:25		taxi	same	2			box truck					same	same		car	Same 2
3841	3900	12:25	12:30		same	taxi	2	1	car	same	2-car	van	van		same	same		same	Same 2
3901	3960	12:30	12:35		taxi	taxi		2	car	box truck					same			same	Same 2
3961	4020	12:35	12:40		same	same	1	1	same	same				tour van	same			Same 2	
4021	4080	12:40	12:45			same	2	2		same				same	same			pickup same van	
4081	4140	12:45	12:50			taxi	2	3	orange bus	same					same			same same	
4141	4200	12:50	12:55			taxi	taxi	2	2	car	taxi	taxi			same	taxi		same same	
4201	4260	12:55	13:00		same	same	2			Same + van + taxi	Van + tour bus			van	same			same same	
HOUR TOTALS		12:00	13:00		4	5	20	19	6	6	5	1	6	1	2	0	2	4	
NEW VEHICLES		12:00	13:00		3	5	20	19	5	5	5	1	6	0	2	0	2	3	

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE									ROYAL HAWAIIAN SC		COMMENTS		
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk		ZONE E: Loading Zone #2			ZONE F: Dock		
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock		
4261	4320	13:00	13:05		same	same	3	2		Same taxi + taxi	same bus				same	van		same	same	
4321	4380	13:05	13:10		same		2			Car + tour bus					same			same	same	
4381	4440	13:10	13:15		same	taxi	4	2		same bus + van					same			same	same	
4441	4500	13:15	13:20			same	2	1	orange bus	taxi					same			same	same	
4501	4560	13:20	13:25		taxi	taxi	3	3		van					fed ex			same	same	
4561	4620	13:25	13:30		same	same	2		van				Taxi + truck	Same + truck				same		
4621	4680	13:30	13:35		same	taxi	1	1		van			same truck +car	Same 2				same		
4681	4740	13:35	13:40		taxi	same	2	1		van	car			Same 2				same		
4741	4800	13:40	13:45		same	same	2	1	taxi	same				Same 2				same		
4801	4860	13:45	13:50		same	same	1			Taxi +box truck				same fed ex + van				same	car	
4861	4920	13:50	13:55		same		4	2		Taxi + van			car	Same 2				same	Car + box truck	
4921	4980	13:55	14:00		same				car	2-Car + truck				Same 2				same	Same 2	
HOUR TOTALS		13:00	14:00		3	4	26	13	4	16	2	0	4	4	1	0	1	4		
NEW VEHICLES		13:00	14:00		2	3	26	13	4	15	1	0	4	3	1	0	0	3		

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE								ROYAL HAWAIIAN SC		COMMENTS		
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk	ZONE E: Loading Zone #2			ZONE F: Dock		
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock	
4981	5040	14:00	14:05		taxi	taxi	1	2		Same 2	med box truck			Same 2 + van			same	Same 2	
5041	5100	14:05	14:10		same	same	4		2-taxi	Taxi + car	big bus			Same 2			same	same box truck	
5101	5160	14:10	14:15		same	same	3	2		same car				same, fed ex				same box truck	
5161	5220	14:15	14:20		same	same		2	car	Same				Same + mail truck	taxi			same	
5221	5280	14:20	14:25		taxi	same	1			van				same fed ex + car				same	
5281	5340	14:25	14:30		same	same	1	1	orange bus	2-car								same	
5341	5400	14:30	14:35		same	same	2	2		Van + car				taxi				same	
5401	5460	14:35	14:40		same	same			taxi	Taxi + van				box truck	car			same	
5461	5520	14:40	14:45		same	taxi		2		tour van				same			2 cars	Same + car	Zone F starts getting more active traffic
5521	5580	14:45	14:50		taxi	same	1	3		box truck	tour van			car	same	car	Same 2	Same 2	
5581	5640	14:50	14:55		same	2	2	car	same	car			car	same	taxi		car	same truck	
5641	5700	14:55	15:00		same	3			same	car				same	car			same	
HOUR TOTALS		14:00	15:00		3	2	18	14	6	13	5	0	2	8	5	0	4	5	
NEW VEHICLES		14:00	15:00		3	2	18	14	6	11	5	0	2	6	5	0	3	3	

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE										ROYAL HAWAIIAN SC		COMMENTS		
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk		ZONE E: Loading Zone #2			ZONE F: Dock			
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock			
5701	5760	15:00	15:05			taxi	3	2	car	same					Same	car					
5761	5820	15:05	15:10			same	3	2		same					2-car			car			
5821	5880	15:10	15:15			same	1		Car + trolley	Same + tour bus					Car + taxi						
5881	5940	15:15	15:20				3		car	van					same taxi + taxi				orange bus near b-3 that comes by zone A; this bus comes by every hour		
5941	6000	15:20	15:25			taxi	1	2							car						
6001	6060	15:25	15:30			taxi	same	0	3		Car + taxi	big bus				2-car			pickup truck		
6061	6120	15:30	15:35			same		1	3		Van + car	same				same car + taxi			Same + car		
6121	6180	15:35	15:40			same	taxi	1	2		Same + car				Car + taxi	car			Same 2		
6181	6240	15:40	15:45			same	same	1	1		same car + van + 2-car					same car + 2-car			van	Same 2	
6241	6300	15:45	15:50			same	same	0	3		car					Same 2 + car			same	same	
6301	6360	15:50	15:55			same	same	1	1		car					Car + mini-bus			same	same	
6361	6420	15:55	16:00			same		1	2	car	same	car				same bus + van			same	van	
HOUR TOTALS		15:00	16:00		2	3	16	21	4	13	2	0	0	18	2	0	2	3			
NEW VEHICLES		15:00	16:00		2	3	16	21	4	12	2	0	0	17	2	0	2	3			

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE									ROYAL HAWAIIAN SC		COMMENTS	
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk		ZONE E: Loading Zone #2			ZONE F: Dock	
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock	
6421	6480	16:00	16:05		taxi	same	1	3		same	car	limo	2-car	Same 2			same	same	
6481	6540	16:05	16:10		same	taxi	1	1	Mini-bus	same	taxi			Same 2	car				
6541	6600	16:10	16:15		same	taxi		1		same	car			same bus			car		
6601	6660	16:15	16:20		same	same	1			same	tour bus			3-car + van			Same + car		
6661	6720	16:20	16:25		taxi	same	1	1		same				same van + car			Same 2		
6721	6780	16:25	16:30		same	same	1	1		same	Taxi + ups		car	Same 2			Same + 2 car		
6781	6840	16:30	16:35		taxi		1	3	car +motorcycl e	same	same ups			same	taxi				
6841	6900	16:35	16:40		taxi	taxi		2		same	same		car	Same + 2- car	Taxi + 2- car	bus			
6901	6960	16:40	16:45		same	same		2	taxi	same	Taxi + car			Same 2					ups truck shifted into zone C
6961	7020	16:45	16:50		taxi	same	2	2	car	same ups				Same 2 + car	2-car				
7021	7080	16:50	16:55		same	taxi	3	4		same	van	limo		same van + box truck					
7081	7140	16:55	17:00		same	same	3	2		same				Same 2					
HOUR TOTALS		16:00	17:00		4	6	14	23	5	2	7	4	4	11	7	1	1	5	
NEW VEHICLES		16:00	17:00		4	5	14	23	5	1	7	4	4	9	7	1	0	4	

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE									ROYAL HAWAIIAN SC		COMMENTS	
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk		ZONE E: Loading Zone #2			ZONE F: Dock	
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock	
7141	7200	17:00	17:05		same	same			4						Same 2			2-car	
7201	7260	17:05	17:10			taxi	2	3	taxi	box truck				taxi	Same 2	car		same car	
7261	7320	17:10	17:15		taxi	same	2	3		2-taxi				same	Same 2			same	
7321	7380	17:15	17:20		same	same	2	1	car	same taxi + car	car	taxi	2-car	Same 2				same	
7381	7440	17:20	17:25		same				2	Same + 3-car					Same 2			same	
7441	7500	17:25	17:30				1	4		same car + taxi				same van + 3-car	orange bus			same	
7501	7560	17:30	17:35				1	3		Van + car	car				same van + car + taxi	car		same	
7561	7620	17:35	17:40			taxi	1	2							same van + 2-car			same	
7621	7680	17:40	17:45			same	1	2		2-car				Same 2	3-car			same	
7681	7740	17:45	17:50		taxi	taxi	2	4		Taxi + 2-car					same car + 4-car + taxi			same	
7741	7800	17:50	17:55		same	taxi			2	same taxi + car + taxi	Van + car				Van + car				
7801	7860	17:55	18:00				3			2-Taxi + 2-car					mini bus + ups + car + taxi				
HOUR TOTALS		17:00	18:00		3	5	15	30	2	22	4	1	3	20	6	0	2	0	
NEW VEHICLES		17:00	18:00		2	4	15	30	2	22	4	1	3	18	6	0	2	0	

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE									ROYAL HAWAIIAN SC		COMMENTS	
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk		ZONE E: Loading Zone #2			ZONE F: Dock	
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock	
7861	7920	18:00	18:05					1	green bus	same taxi + 3-car					same ups + 2-car				green bus partly within zone A
7921	7980	18:05	18:10				1	2		2-taxi + car	mini bus				Same 2 +2-car		car		
7981	8040	18:10	18:15				2		car	same taxi	van				same ups + 2-car + taxi				
8041	8100	18:15	18:20				1	3		Same + 3-car	same				same ups + 2-car		car		
8101	8160	18:20	18:25		taxi	1	3	car	same car	taxi					Same 2	same			
8161	8211	18:25	18:30		taxi		0	1	taxi	same	taxi	car			2-Car + taxi	car			2-car
665	724	18:30	18:35				1	1	trolley	Same + car	same			taxi	same taxi				same car
725	784	18:35	18:40				1	3	taxi	car	car				2-car			car	
785	844	18:40	18:45		taxi	taxi	2	1	car	car					same car	van			
845	904	18:45	18:50		same	same	2	2	taxi	car					Taxi + 2-car	car			
905	964	18:50	18:55		same	same	3	2		2-car					Van + 2-taxi + car				
965	1024	18:55	19:00		same	same	1		orange bus	taxi					same car + car + taxi	car		car	
HOUR TOTALS		18:00	19:00		2	3	15	19	7	17	5	1	1	23	7	0	2	2	
NEW VEHICLES		18:00	19:00		2	3	15	19	7	16	5	1	1	22	7	0	2	2	

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE									ROYAL HAWAIIAN SC		COMMENTS		
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk		ZONE E: Loading Zone #2			ZONE F: Dock		
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock		
1025	1084	19:00	19:05		same	same	1			Car + taxi					same car			same	van	
1085	1144	19:05	19:10		same	same	1		car	Car + 2- van					3-car	car		same	Same + car	
1145	1204	19:10	19:15		same	same	1	2		same van					same car + 2- car	car		same	Same 2	
1205	1264	19:15	19:20		taxi	same	1	4	car	car					same car + 3- car + van	car				
1265	1324	19:20	19:25		same	taxi	3	3							Same 2	taxi			car	
1325	1384	19:25	19:30			taxi		2		Taxi	2-car	taxi			same car + 3- car			car	same	
1385	1444	19:30	19:35			taxi	1	1	car	Same	taxi				3-car				car	
1445	1504	19:35	19:40			same	4	1	taxi	car	taxi				2-Car			taxi	same	
1505	1564	19:40	19:45		taxi	taxi	3		same		same				same car + taxi	car				
1565	1624	19:45	19:50		same	same	3	3		car					3-cars					
1625	1684	19:50	19:55		same	same		1	car	same	car				same car + 2- car	car				
1685	1744	19:55	20:00		same	same	2		car	taxi					Same 2					
HOUR TOTALS		19:00	20:00		3	5	20	17	6	10	5	1	0	22	6	0	3	4		
NEW VEHICLES		19:00	20:00		2	4	20	17	6	10	5	1	0	21	6	0	2	4		

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE								ROYAL HAWAIIAN SC		COMMENTS		
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk	ZONE E: Loading Zone #2			ZONE F: Dock		
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock	
1745	1804	20:00	20:05		same	same	1	3	taxi						3-car				
1805	1864	20:05	20:10				2	1		tour bus					car				
1865	1924	20:10	20:15				1	1		same					taxi, car			van	
1925	1984	20:15	20:20			taxi		2		car	car				same car + car				
1985	2044	20:20	20:25		taxi	same	1	1	2-taxi	Same	car	car			same car + car	car			
2045	2104	20:25	20:30		same	same	1		car	car					same car + car				
2105	2164	20:30	20:35		same	same				taxi				car	Same 2			car	
2165	2224	20:35	20:40		same		1	1		car					Same 2	Van + 2-car		same	
2225	2284	20:40	20:45		same	taxi				Same + car					Same 2	same car + car		same	car
2285	2344	20:45	20:50		same	same	2	1		2-Car + box truck					Same 2 + car	same car + car		car	same
2345	2404	20:50	20:55			same		1		same car	car				same car + 2-car	car			same
2405	2464	20:55	21:00			same		1		same	Car + taxi				same car	same			
HOUR TOTALS		20:00	21:00		2	3	9	12	4	9	5	1	1	12	7	0	3	1	
NEW VEHICLES		20:00	21:00		1	2	9	12	4	9	5	1	1	12	7	0	3	1	

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE									ROYAL HAWAIIAN SC		COMMENTS	
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk		ZONE E: Loading Zone #2			ZONE F: Dock	
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock	
2465	2524	21:00	21:05					1		2-taxi mini-bus					same car + taxi + car	2-car			
2525	2584	21:05	21:10		taxi	taxi	1	1	taxi	same bus	car			taxi	Same 2 + car				
2585	2644	21:10	21:15		same	same	1	2		car	car				same car + 2-taxi	car	car		
2645	2704	21:15	21:20		same		1	1		Same + car						same	same		
2705	2764	21:20	21:25			taxi	1			same car					3-car				
2765	2824	21:25	21:30		taxi	same	2	2	car	same					Car + van + taxi			car	
2825	2884	21:30	21:35		same		2		2-car	same					same taxi + car			same	
2885	2944	21:35	21:40					1	3-taxi	Same	taxi				same car + car				
2945	3004	21:40	21:45				1	1		Taxi + car	taxi				car		taxi		
3005	3064	21:45	21:50					1		same car					car			car	
3065	3124	21:50	21:55				1	4		taxi					2-car			same	
3125	3184	21:55	22:00				1		taxi		taxi			taxi	4-car				
HOUR TOTALS		21:00	22:00		2	2	11	14	8	8	5	0	2	22	3	1	1	2	
NEW VEHICLES		21:00	22:00		2	2	11	14	8	8	5	0	2	21	3	1	1	2	

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE										ROYAL HAWAIIAN SC		COMMENTS
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk		ZONE E: Loading Zone #2			ZONE F: Dock	
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock	
3185	3244	22:00	22:05			taxi		3	2-car	taxi									
3245	3304	22:05	22:10			same			2-car	same	car								
3305	3364	22:10	22:15		taxi	same	2	2		same	Same + car			2-car					
3365	3424	22:15	22:20		same	same	1			same	taxi			Same 2 + 2-car					
3425	3484	22:20	22:25		same		3	2	taxi		bus			Same 2 + car					
3485	3544	22:25	22:30		same		4		Same + taxi					same car + car					
3545	3604	22:30	22:35				0	0	taxi	car				same car + 2-car					
3605	3664	22:35	22:40				1		car	2-car	taxi			same car + car					
3665	3724	22:40	22:45				2	1		2-car	taxi			same car + car		car			
3725	3784	22:45	22:50				2	0		same car + 2-car				Same 2 + car	2-car				
3785	3844	22:50	22:55				2	1		same car	taxi			same car + 3-car					
3845	3904	22:55	23:00				1		Taxi + car	3-car				Same 2					
HOUR TOTALS		22:00	23:00		1	1	18	9	10	11	7	0	0	14	2	0	1	0	
NEW VEHICLES		22:00	23:00		1	1	18	9	10	11	7	0	0	14	2	0	1	0	

KAKAKAUA AVENUE VEHICLE LOADING ZONE ACTIVITY

Between Sheraton Moana Surfrider Hotel Loading Dock and the Royal Hawaiian Shopping Center Loading Dock
Data Collected On September 1, 2017

IMAGE		TIME PERIOD		THROUGH VEHICLES	MOANA SURFRIDER		OUTRIGGER WAIKIKI STREET ZONE								ROYAL HAWAIIAN SC		COMMENTS			
					ZONE A: Dock		ZONE B: Driveway			ZONE C: Loading Zone #1			ZONE D: Crosswalk	ZONE E: Loading Zone #2			ZONE F: Dock			
Start	End	Start	End		1 --- Vehicles in Diamond Head Position	2 --- Vehicles in Ewa Position	1 --- Vehicle Outbound Traffic	2 --- Vehicle Inbound Traffic	3 --- Vehicle on Curb or Double Parked	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- From stop line to corner of zone C pull out	1 --- Vehicles Within Loading Zone	2 --- Vehicles Double Parked	3 --- Vehicles Double Parked	1 --- Vehicles Adjacent to Street	2 --- Vehicles Adjacent to Dock		
3905	3964	23:00	23:05					1		same car + van				Same 2	car		Taxi			
3965	4024	23:05	23:10				2			taxi	taxi			Same 2	same	2-car				
4025	4084	23:10	23:15							taxi	2-car			same car				car		
4085	4144	23:15	23:20							car				same car + car				Same + car		
4145	4204	23:20	23:25			1				same	taxi			Same 2				Same 2 + car		
4205	4264	23:25	23:30			car	2			taxi	car			car	Same 2	taxi		Same 2		
4265	4324	23:30	23:35			same								taxi	Same 2 + car			Same 2 + car		
4325	4384	23:35	23:40			same	1	1		car					Same 2 + 2-car			Same 2		
4385	4444	23:40	23:45			same	2	1		taxi	Car + taxi	car			same car + 2-taxi				same car + 2-car	
4445	4504	23:45	23:50			taxi	same				same taxi + 2-taxi	car			same car + car			car	same car	
4505	4564	23:50	23:55			same					same taxi + taxi				Same 2			same	same	
4565	4624	23:55	0:00			same	2	1		car				Same 2	car		same	same		
HOUR TOTALS		23:00	0:00		1	1	10	4	4	14	3	0	2	9	3	2	2	6		
NEW VEHICLES		23:00	0:00		1	1	10	4	4	13	3	0	2	7	3	2	2	6		

WTMA CURB LOADING MANAGEMENT PLAN – Report #1: Data Collection

Appendix C

Waikiki Loading Zone Permit Management Project.....

OahuMPO WE 203.11-19 Proposed Project Revision..... C- 1



**Waikīkī Transportation Management
Special Improvement District**

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Oahu Metropolitan Planning Organization

WE 203.11-19 Proposed Project Revision

I. Identification			
WE Name	Waikiki Loading Zone Permit Management Project		
Agency	Waikiki Transportation Management Special Improvement District (WTMSID)	Phone Number	(808) 923-1094
Project Manager	Rick Egged, President WTMSID	E-mail address	TMAWaikiki@gmail.com

II. Objectives

The objective of the Waikiki Loading Zone Permit Management Project is to assist the Waikiki Transportation Management Special Improvement District (WTMSID) to develop a curb management system appropriate for Waikiki. The WTMSID was established by City and County of Honolulu Ordinances 17-57 and 17-58 to provide certain transportation management services including traffic operations, parking control and supply development, mobility enhancements for all modes of travel, physical and operational access improvements, information displays and the installation and maintenance of related electronic devices.

Ordinance 19-23, relating to loading zones and bus stops, became effective on January 1, 2020. The objective of Ordinance 19-23 is to improve curb management in certain areas of Honolulu by establishing a supplemental permit for commercial vehicles that load freight or passengers in a special improvement district. Commercial vehicles have been paying the new permit fee with the expectation that there will be a corresponding new program provided by the WTMSID to manage commercial vehicle loading demand and to identify capacity improvements. The primary objective of the Waikiki Loading Zone Permit Management Project is to make significant contributions toward fulfilling this expectation.

III. Planning Study or Project Information	
A.	<p>Project Schedule. Provide a start and end date for the following:</p> <p><u>Obligation of Local Match:</u> done</p> <p><u>Procurement of consultant services:</u> 10/21 – 12/22</p> <p><u>Notice to proceed through contract close out (Provide more information on task breakdown in Section IV below):</u> now – 06/25</p>
B.	<p>Work Products. Provide a complete listing of the work products and deliverables (including their format) that will be produced by this planning study or project.</p>

- Project Management Plan – The Project Management Plan will identify a schedule for tasks, deliverables and meetings based upon the work plan identified in the following section and including a Public Engagement Program.
- Project Engagement Plan – The Project Engagement Plan will identify the WTMSID Board of Directors as the decision-making body for whatever recommendations will be identified in the final report.

- Loading Zone Inventory Technical Report and Database – The database will include overlays of City and County of Honolulu street traffic sign plans in electronic format to include the linear dimensions of legal curb zone loading areas based upon the application of the City and County of Honolulu traffic code with specifications sufficient to use for the purpose of painting curbs by type of applicable regulation or zone and a tabular listing of all Waikiki loading zones of all types of loading and parking incorporated into a usable and easily maintained database.
- Data Collection Plan Technical Report – This report will address the use of time-lapse photography and real-time continuing collection of current curb use demand by vehicle identification, time of arrival and departure, location and other pertinent data. A list of areas investigated in detail will be included.
- Loading Zone Vehicle Utilization Technical Report – The Loading Zone Vehicle Utilization Technical Report will include a comprehensive data record of field observations regarding all forms of traffic activity along the curb including within existing regulated curb loading zones, parallel to those zones and along the curb adjacent to those zones where otherwise such activity would be prohibited. Data presented in tabular form will include vehicle identification, time of arrival and departure, and the level and type of loading activity.
- Loading Zone Programmatic Situation Working Paper – This working paper will include interviews with as many of those making deliveries observed during the data collection task as possible to determine delivery history, client requirements and delivery operator concerns. Interviews will include those with the clients, tenants served and owners of the property occupied by those tenants.
- Loading Zone Safety Technical Report – This report will include a presentation of traffic accident data from all sources available, anecdotal safety observations obtained from interviews will be included Honolulu Police Department patrol officers.
- Loading Zone Management Technology Technical Report – This report includes identification and implementation of technology and programs to maintain ongoing data collection of curb use, an action plan to implement demonstration project of real-time data collection such as license plate reader and steps needed to provide real-time “heat” map illustrations of data to show curb use that can be easily maintained by the WTMSID.
- Loading Zone Management Problems and Solutions Working Paper – This working paper will include a comprehensive list of problems and remedial actions, identification of needed program and project costs by year for the purposes of budget and grant development.
- Action Plan Working Paper – This working paper will identify proposed recommendations and actions needed to accomplish implementation by the WTMSID.
- Draft Report – This document will be widely circulated for extensive review by the public and participating parties and compiled with the previously approved deliverables.
- Final Report – The Waikiki Loading Zone Permit Management Project Final Report will become official upon approval of the WTMSID Board of Directors. Subsequent documentation and policy-making will be undertaken by the WTMSID to implement the highest priority actions.

C.	Description. Explain the work to be undertaken. Identify the tasks, the estimated time frame for completion, and the party or unit responsible for each task associated with the proposed planning study or project. Tasks must be linked to the tasks and schedule provided in Part IV below. If out-year activities will be proposed, explain the importance and need for future action with this proposal and include any out-year activities and associated budget estimates in Part V below.
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The Waikiki Loading Zone Permit Management Project will include the following tasks.

Task 1: Project Administration -- The administration of the project will be accomplished by the WTMSID. This administration will be throughout the project period. WTMSID will be responsible with coordinating with OahuMPO and member agencies to provide project progress reports. The WTMSID will be the lead on the public engagement tasks and will be significantly involved in preparing the documentation of those activities so the consultant can be dedicated to the data collection and analysis tasks. The WTMSID intent is to work alongside the consultant since one of the outcomes of the project is to establish ongoing performance monitoring capabilities that will be continuously performed by the WTMSID.

Task 2A: Project Management Plan – The WTMSID with the assistance of a consultant will develop a Project Management Plan to include a refinement of the scope of work and schedule. The Project Management Plan will include a table with past and projected Waikiki supplemental commercial vehicle permit annual fee collections and a summary of their intended purpose. The consultant will follow the plan to provide monthly progress reports, facilitate a project kick-off meeting, and perform other related management duties as required by the WTMSID. Project management is expected to be constant throughout the project – from consultant notice-to-proceed. The Project Management Plan will include, but may not be limited to, the development and implementation of the consultant work plan, deliverables, milestone events, project schedule, report review procedures, report style template, progress report format, invoice content, and other management procedures.

Task 2B: Project Engagement Plan – The WTMSID with the assistance of a consultant will develop a Project Engagement Plan to be implemented by the WTMSID throughout the entire project with the assistance from the consultant starting with the notice-to-proceed to project conclusion. The plan will identify outreach and communication techniques to involve, but not be limited to, the following organizations:

- i. WTMSID Board Members
- ii. Waikiki Improvement Association
- iii. Hawaii Transportation Association
- iv. City Departments including Honolulu Police Department
- v. Waikiki Neighborhood Board
- vi. Waikiki businesses including tenants, property owners and tour operators
- vii. Freight and passenger carriers
- viii. Waikiki Business Improvement District
- ix. Public Utilities Commission
- x. OahuMPO Community Advisory Committee
- xi. OahuMPO Technical Advisory Committee
- xii. OahuMPO Policy Board

The Project Engagement Plan report will include meeting notes and correspondence received from the participants. The Project Engagement Plan will include, but may not be limited to, the development and implementation of presentation materials, briefing handouts, contact database and mailing list.

Task 3A: Loading Zone Inventory and Database – The WTMSID with the assistance of a consultant will provide a loading zone inventory composed of overlays of City and County of Honolulu street traffic sign plans in electronic format delineating the linear dimensions of legal curb zone loading areas based upon the application of City and County of Honolulu traffic code with specifications sufficient to use for painting curbs by type of applicable regulation or zone and a

tabular listing of all Waikiki loading zones of all types of loading and parking incorporated into a usable and easily maintained database. Tables, maps and other graphics will be produced from the overlays and the database that summarize the location, size and regulation of all Waikiki loading zones. The Loading Zone Inventory Technical Report will be developed in such a manner that it can become a chapter of the final report.

Task 3B. Loading Zone Data Collection Plan -- The WTMSID with the assistance of a consultant will use time-lapse photography and real-time continuing collection of current curb use demand by vehicle identification, time of arrival and departure, location and other pertinent data. A list of areas to be investigated in detail will be included. The loading zone data collection methodologies shall be designed such that they can be used in future ongoing electronic surveillance and periodic performance monitoring tasks performed by the WTMSID. The Loading Zone Data Collection Plan Technical Report will be developed in such a manner that it can become either a chapter of the final report or an introductory section of a chapter containing data collection results.

Task 4. Loading Zone Vehicle Utilization – The WTMSID with the assistance of a consultant will implement the Loading Zone Data Collection Plan to document actual vehicle loading activity (whether in an official loading zone or not including double parking activity), permits displayed (including permit number and eligibility year), incompatible activity in conflict with loading zone proper and safe utilization, the length of time vehicles are parked for loading activity, development of “heat maps” by time of day or other illustrative methods to portray loading activity, and other data collection variables to allow a full understanding of the current environment, safety concerns and other problems. The ultimate data collection methodology, database and performance monitoring graphics shall be ones that can be easily maintained and updated to allow comparisons over time by hour, month and year of actual loading zone demand, regulatory compliance, safety observations and any other activity impairing the ability to serve all commercial passenger and freight loading zone needs with sufficient capacity to operate completely within the City and County of Honolulu traffic code. The Loading Zone Vehicle Utilization Technical Report will be developed in such a manner that it can become a chapter of the final report.

Task 5A: Loading Zone Programmatic Situation – The WTMSID with the assistance of a consultant will use the evolving outcomes of the previous tasks to investigate and document the Waikiki loading zone programmatic situation. The substance of this task will involve in depth investigations and will include a series of interviews to probe the details of the existing loading zone activity environment. This investigation shall focus upon three areas:

- i. Commercial Vehicle Operator Needs: Sufficient information must be collected during the vehicle utilization task to identify those commercial organizations making deliveries in Waikiki. Those organizations will be listed together with pertinent data such as number of vehicles observed, permits displayed, loading operation duration, location and contact information. The consultant will review this list with the WTMSID to determine who should be contacted and what questions need to be asked. The purpose of these contacts is to conduct an investigation into what delivery requirements are being fulfilled by the commercial vehicles and if those needs are able to be fulfilled by the current loading zone inventory and traffic code restrictions. Information gathered will include what customers are being served and what restrictions those customers are imposing upon the commercial delivery operator. A list of recipient customers of commercial loading zone operations will be developed from discussions with the commercial operators.

- ii. Commercial Vehicle Operator Customers: A second group of contacts will be made with selected loading zone delivery customers to determine their delivery requirements, possible flexibility in modifications to those requirements and any of their concerns about the overall performance of commercial vehicle operations after review and approval of those to be contacted and questions to be asked by the WTMSID.
- iii. Commercial Vehicle Operations Influencing Parties: A third group of contacts will involve a follow up with those having influence over the commercial vehicle programmatic situation and others who may have been mentioned during the contact and investigation process. Interviews will include those needed to address safety related observations to collaborate or clarify with interviews with Honolulu Police Department patrol officers. The third list will first be reviewed and approved by the WTMSID before proceeding. The Data Collection Plan will provide further detail for this task before it is initiated. The Loading Zone Programmatic Situation Technical Report will be developed in such a manner that it can become a chapter of the final report.

Task 5B. Loading Zone Safety – The WTMSID with the assistance of a consultant will use the evolving outcomes of the previous tasks to investigate and document safety issues associated with Waikiki loading zone activity. Sufficient information shall be collected during the vehicle utilization task to identify observed pathways followed by those making deliveries from commercial freight vehicles to the destinations of the cargo being moved to identify traffic movement conflicts. Likewise, sufficient information must be collected during the vehicle utilization task to identify observed pathways followed by those making connections with commercial passenger vehicles from the origins of those people to identify traffic movement conflicts. Accident data from City and County of Honolulu Police Department and Emergency Medical Services reports obtained as specified in the Data Collection Plan will be reviewed, analyzed and used to identify areas of historical traffic accident locations where loading activity may have contributed to sight distance, travel lane blockage, sidewalk conflicts or other circumstances contributing to actual incidents. The Loading Zone Safety Technical Report will be developed in such a manner that it can become a chapter of the final report.

Task 6: Loading Zone Management Technology -- The WTMSID with the assistance of a consultant will investigate applicable technologies to identify and implement programs to maintain ongoing data collection of curb use and performance monitoring in Waikiki. This will include the implementation of a demonstration project of real-time data collection (such as license plate recognition) to promote effective management of loading activity. The methodology of collection of loading activity should be one that the WTMSID may continue after the project is completed and will include recommended schedule for ongoing loading activity checks no greater than every five minutes for optimum management of limited space. The consultant will prepare an action plan to implement the demonstration project of real-time data collection feeding real-time “heat” map illustrations of data to show curb use that can be easily maintained by the WTMSID. The Loading Zone Management Technology Technical Report will be developed in such a manner that it will be a chapter of the final report.

Task 7: Loading Problems and Solutions -- The WTMSID with the assistance of a consultant will develop a comprehensive list of problems and solutions to provide effective management of Waikiki commercial vehicle loading activity and associated infrastructure. This will include potential State and County legislative changes, rule changes, licensing changes, and techniques and programs successfully used by other cities. These techniques may include advance loading zone reservations and business notification of impending goods delivery including the option that the business is responsible for pick up at the loading zone. It is

expected some of these techniques can be implemented during the project. Therefore, the list of problems and actions will be compiled ongoing through the project with a hierarchy of those that can be implemented without excessive actions and those that will need additional work. The Loading Zone Problems and Solutions Working Paper will be developed in such a manner that it will be a chapter of the final report.

Task 8: Action Plan -- The WTMSID with the assistance of a consultant will develop an Action Plan including a timeline for implementation of recommendations and the actions needed to accomplish full implementation of the solutions being recommended including their capital, operating and maintenance costs over the subsequent five year period. The Loading Zone Action Plan Working Paper will be developed in such a manner that it will be a chapter of the final report.

Task 9: Final Report -- The WTMSID with the assistance of a consultant will prepare the final Waikiki Loading Zone Management Project report which will define the problems, solutions, and supporting action plan implementation of project recommendations consistent with the deliverables approved for prior tasks by the WTMSID. The project report will document those tasks as specified in this scope of work. Administrative draft and public review procedures will be specified in the project management plan.

D.	Project Justification. Identify the Planning Priority Level that the proposed planning study best fits and provide justification. Include references to City, State or Federal regulations and to ORTP projects if applicable.
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The City and County of Honolulu's mayor signed into law Bills 63 and 64 in 2017. By creating the WTMSID, the City recognized the unique problems confronted by the state's premier economic engine. In further support of this enabling legislation the mayor signed Bill 38 in 2019. This bill created curb management capabilities in certain areas of Honolulu by establishing a supplemental permit for commercial vehicles that load freight or passengers. Commercial vehicles have been paying the new permit fee with the expectation that there will be a corresponding new program provided by the WTMSID to manage commercial vehicle loading demand and to identify capacity improvements. The primary justification for the Waikiki Loading Zone Permit Management Project is to make significant contributions toward developing this expectation. The federal interest in this project is justified by its high compatibility with the Federal Planning Factors. The Waikiki Loading Zone Permit Management Project is justified because this is more than just a Waikiki private sector problem. It is one of concern for all levels of government and for our taxpayers.

While the private and public sectors try to respond to rapidly and ever-changing industry needs, the Federal government is seeking to better guide transportation investment to support economic and freight needs. These needs include access, on-site circulation, on-street loading space regulation, off-street loading area building size and use needs, and geometric requirements for trucks and tour buses.

Providing adequate truck and bus parking and loading areas is a Federal priority including safety and security provisions. Waikiki stakeholders have recognized that freight, commercial passenger vehicle, and community needs are not mutually exclusive. The Waikiki Neighborhood Board has been supportive of the creation of the WTMSID and this project as a needed mechanism to address Waikiki transportation problems that cannot be resolved by physical investments alone.

E.	Previous or Ongoing Work Related to Proposed Planning Study or Project. Identify any activities associated with the proposed planning study or project. Include prior year-funded OWP activities and directly relevant activities not funded by OWP. Supporting documentation must be available if so requested.
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- The 1999 joint City-State Waikiki Task Force issued a report called Recapturing the Magic of Waikiki establishing the following Pedestrian-First Policy "In Waikiki the pedestrian, visitor and resident alike will come first. Waikiki will be a pedestrian-oriented resort and a pedestrian-oriented residential area. Walking will be the primary mode of getting around within Waikiki and it will be a pleasurable way to enjoy Waikiki."
- The City and County of Honolulu, through DTS, supported the Waikiki Livable Community Project in 2003 which relied upon the completion of the Bus Rapid Transit (BRT) project, subsequently replaced with the Honolulu High Capacity Transit Corridor Project (HHCTCP, now HART). BRT directly served Waikiki, whereas the first operational segment of HHCTCP does not.
- In 2008 the WIA communicated to the City that too much traffic conflicts with pedestrians, too few solutions have been identified and more needs to be done considering the initial rail line will terminate at Ala Moana Center.
- In 2009 the City, through DTS, supported the Waikiki Regional Circulator Study (WRCS) and the Waikiki Traffic Study in partnership with the WIA and the Waikiki Transportation Stakeholders Oversight Committee (WTSOC);
- On June 19, 2013 the WTSOC accepted the WRCS final report including the recommendation to form a Waikiki Transportation Management Association (WTMA);
- In 2013 and 2014 commercial passenger operators supported the *Royal Hawaiian Avenue Commercial Passenger Vehicle Operator Transportation Assessment* and the *Transportation Assessment of Commercial Vehicle Operations Along Ala Moana Boulevard in Waikiki* which identified problems best resolved by the WTMA in partnership with the City;
- On January 21, 2014 the WIA Board of Directors voted to approve the formation of the WTMA and voted on September 17, 2015 to approve the WTMA governing body and engage into discussions with the City.
- On October 17, 2017 the Mayor of the City and County of Honolulu signed into law Bills 63 (Ordinance 17-57) and 64 (Ordinance 17-58) establishing the WTMSID and setting forth transportation management functions of the WTMSID; and
- On September 19, 2019 the Mayor of the City and County of Honolulu signed into law Bill 38 (Ordinance 19-23) adding a separate loading zone permit fee for vehicles providing loading and unloading in transportation management SIDs for use by those SIDs in providing loading zone management functions.

IV. Work Element Tasks and Schedule

List all the expected tasks and expected completion dates for the project. This must be tied to the written description provided in III.C above.

Task #	Task Description	Start Date (Mo/Yr)	Expected Completion Date (Mo/Yr)	Cost
1	Project Administration	10/2021	06/2025	\$0
2	Project Management and Engagement Plan	01/2022	03/2022	\$10,000
3	Loading Zone Inventory and Data Collection Plan	02/2022	05/2022	\$20,000
4	Loading Zone Vehicle Utilization.	03/2022	09/2022	\$80,000
5	Loading Zone Programmatic Situation and Safety	05/2022	10/2022	\$50,000
6	Loading Zone Management Technology	08/2022	11/2022	\$25,000
7	Loading Zone Problems and Solutions	09/2022	12/2022	\$20,000
8	Action Plan	11/2022	02/2023	\$15,000
9	Final Report	01/2023	05/2023	\$15,000
TOTAL WORK ELEMENT COST (without estimated WTMSID Costs)				\$235,000

V. Work Element Budget

A. Staff Labor Expenditures

Task #	Position/Agency	LABOR			Total	FUNDING SOURCE		
		Hrs	\$/Hr	Additive		Federal	Non-Federal	
				%				
1								
2								
3								
4								
TOTAL LABOR EXPENDITURES								

B. Non-Labor Expenditures (excluding contract services)

Task #	Description	Total	FUNDING SOURCE		
			Federal		Non-Federal
			FHWA	FTA	
1					
2					
3					
4					
TOTAL NON-LABOR EXPENDITURES					

C. Consultant Services & Scope of Work

Task #	Description	Total	FUNDING SOURCE		
			Federal		Non-Federal
			FHWA	FTA	
1	Project Administration	0	0	0	0
2	Project Management and Engagement Plans	\$10,000	\$8,000		\$2,000

3	Loading Zone Inventory and Data Collection Plans	\$20,000	\$16,000		\$4,000
4	Loading Zone Vehicle Utilization	\$80,000	\$64,000		\$16,000
5	Loading Zone Programmatic Situation and Safety	\$50,000	\$40,000		\$10,000
6	Loading Zone Management Technology	\$25,000	\$20,000		\$5,000
7	Loading Zone Problems and Solutions	\$20,000	\$16,000		\$4,000
8	Action Plan	\$15,000	\$12,000		\$3,000
9	Final Report	\$15,000	\$12,000		\$3,000
Other Costs (travel, equipment, etc.)		\$0	\$0		\$0
TOTAL CONTRACT SERVICE EXPENDITURES		\$235,000	\$188,000		\$47,000

Proposals utilizing consulting services must include a high-level scope of work that includes the work products expected, contract amount, and tentative project schedule.

VI. Overall Budget

Provide the total project budget for each State fiscal year (if multiple fiscal years) in which the proposed activity is to take place. Highlight **in bold** the current fiscal year.

FY		Total	FUNDING SOURCE		
			Federal		Non-Federal
			FHWA	FTA	
19	WE 203.11-19	\$235,000	\$188,000		47,000
20					
21					
TOTAL WORK ELEMENT COST		\$235,000	\$188,000		\$47,000

VII. Disadvantaged Business Enterprise Goal

Provide the total estimated DBE Goal for this project (applies only if consulting services are part of this request):

Race conscious: _____

Race neutral: 10%

Prepared by: Linda Frysztacki Date: 08/01/2021

Approved by: Rick Egged Date: 08/20/2021

