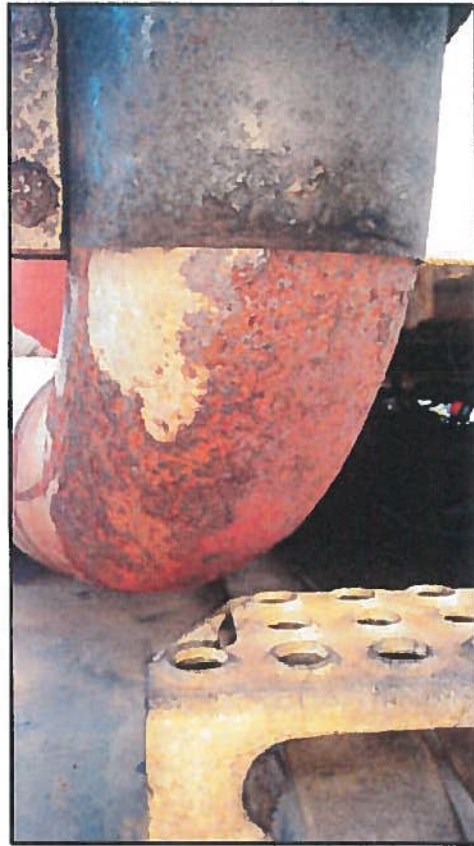


# PUBLIC WORKS

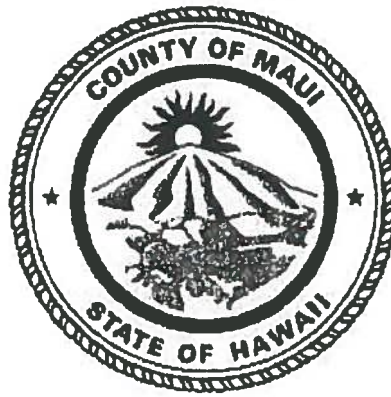
DEPARTMENT:	PUBLIC WORKS
DIVISION/SECTION:	HIGHWAYS/MAKAWAO
VEHICLE/EQUIPMENT NO:	TRUCK TRACTOR/#895
VEHICLE LICENSE NO:	CM 1447
YEAR/MAKE/MODEL:	1992/INTERNATIONAL/TRUCK TRACTOR
REQUIRED LIC/CERT:	EOIV/CDL A
MILEAGE/HOURS:	101,745 MI
TODAY'S DATE:	07/31/2015
PHOTO DATE:	09/04/2015

\*MAIN JUSTIFICATION FOR REPLACEMENT: TRUCK IS OVER 24 YEARS OLD AND PARTS ARE NOW OBSOLETE & UNAVAILABLE TO OBTAIN FOR REPAIRS.









## Fleet Information

Fleet ID 904

## Fleet Name

EQUIPMENT NO. 00895  
 RFS Code 6 - Makawao  
 DEPARTMENT PUBLIC WORKS  
 DIVISION HIGHWAYS  
 DISTRICT MAKAWAO  
 TYPE TRUCK TRACTOR  
 GROUP ROAD  
 PURCHASE COST 0  
 CATEGORY VEHICLES  
 MANUFACTURER INTERNATIONAL  
 DESCRIPTION  
 MODEL PAYSTAR F-5070 6X4  
 SERIAL NUMBER 2HSTGBJR7NC056123  
 LICENSE PLATE NO. CM1447  
 PURCHASE DATE 4/6/1992  
 VENDOR  
 STATUS ACTIVE  
 FUEL MASTER CODE 895  
 VIN NUMBER  
 INDEX CODE  
 Mileage 102021  
 Hours 0

## Maintenance Work Order History

WO #	Request Date	Maintenance Type	Description	Mileage	Hours	Completed Date	Total Cost
24721	3/21/2016	New Work Order	Left turn signal on mirror inoperable	102021	0	3/21/2016	\$24.54
24260	2/17/2016	New Work Order	Replace work light	102021	0	2/17/2016	\$12.27
23344	11/24/2015	New Work Order	Low beam headlights inoperable	102021	0	11/24/2015	\$12.27
23147	11/5/2015	New Work Order	Replace flasher	102021	0	11/5/2015	\$39.93
20954	4/23/2015	New Work Order	DOT inspection	102021	0	4/24/2015	\$172.82
19606	1/8/2015	New Work Order	5th wheel lock broken	102021	0	3/9/2015	\$1,168.44
19140	12/1/2014	New Work Order	Solenoid shorted	102021	0	12/1/2014	\$583.68
18019	9/11/2014	New Work Order	Adjust Bells	102021	0	9/11/2014	\$59.92
17620	8/14/2014	New Work Order	Headlight repair	102021	0	8/14/2014	\$23.97
17169	7/11/2014	New Work Order	Engine brake not working	102021	0	7/21/2014	\$95.88
16780	6/19/2014	New Work Order	Jake Brakes not working	101745	0	6/20/2014	\$225.19

3/29/2016

IWORQ Systems Inc.

16189	4/28/2014	New Work Order	Clutch fan broken	101067	0	6/2/2014	\$2,356.00
15583	3/31/2014	New Work Order	Replace trailer plug end	101067	0	3/31/2014	\$35.25
14698	2/5/2014	New Work Order	Noise concern	100592	0	2/5/2014	\$70.50
14482	1/23/2014	New Work Order	Fifth wheel hose broken	100592	0	1/23/2014	\$23.50
13318	11/5/2013	New Work Order	Seat Belts	10006	0	11/5/2013	\$47.00
12553	10/2/2013	New Work Order	Adjust engine fan & a/c belts	99635	0	10/2/2013	\$23.50
10645	7/19/2013	New Work Order	Quick release valve leaking	0	0	7/19/2013	\$60.40
11990	4/29/2013	Old Work Order	PUC Inspection	0	0	4/29/2013	\$46.08

Total Cost \$5,081.15

## Assigned Parts

Part

Part # Category Vendor Description

Batteries General Interstate Batteries Batteries

Bendix QR- 1 Valve Quick Rel229859N General Kahului Trucking Quick Release Valve

Engine Brake Solenoid General Kahului Trucking Solenoid

Flasher 250 General United Auto Parts Flasher

**TRUCK TRACTOR #895 REPAIR & MAINTENANCE COST**

Year	Description of Repairs	Labor Hours	Labor Cost	Parts Cost
FY11/12	Replace rear fender, repair radiator, replace tires, complete service, install new clutch & coil assembly, fix air leaks.	111 hrs.	\$2,090.90	\$850.00
FY10/11	Replace window regualtors, repair head liner, repair exhaust mount, replace rear fender, repair hydraulic hose, repair tires.	42 hrs.	\$964.44	\$930.00
FY09/10	Replace exhaust and pipes, troubleshoot air conditioning, Repair air leak & hyd. hoses	92.5 hrs.	\$2,117.03	\$360.00
FY08/09	Repair air conditioner, complete service, repair throttle	33 hrs.	\$738.45	\$307.00
FY07/08	Troubleshoot turn signals, install new flashers, rewired trailer gate, repair tires.	34.5 hrs.	\$768.96	\$90.00
FY06/07	Repair tractor protection valve, replace tires, new a/c belt, replace flashers, install new turn signal switch, replace clutch pan bearings, replace all drive belts, repair exhaust, install new pogo sticks.	104 hrs.	\$2,009.60	\$764.00
FY05/06	New hub glass window kit, replace muffler & vertical tailpipe, repair throttle linkage & lever, replace water pump & water pump drive belt, install air compressor belt, complete service, install fifth wheel air hose kit, tire repairs.	70 hrs.	\$1,348.20	\$1,387.00
<b>TOTALS</b>		<b>487 hrs.</b>	<b>\$10,037.58</b>	<b>\$4,688.00</b>



# **MINIMUM USE MILEAGE EVALUATION & DETERMINATION WORKSHEET**

**Department:** PUBLIC WORKS

**Division:** HIGHWAYS

**Position Title(s):** EOIV, Mechanics, District Supervisor, & HC&M Supervisors (any employee with CDL Type A License)

**Duties:**  
Haul debris, waste, paving materials, maintenance materials (sand, gravel, etc.) to and from jobsites and landfill. Hauling equipment, driver's training, and on the job training.

<b>Recommended Vehicle:</b>	Peterbilt					
	<b>Make</b>	<b>Model</b>	<b>Year</b>	<b>License #</b>	<b>Asset #</b>	<b>Odometer Reading &amp; Date</b>

**Prepared by (Print):** SHELBY H. GOMES

**Prepared by (Signature):**

**Date:** 10/15/2015

**Approved by Director:**

**Date:**

**Instructions:** This worksheet serves to document mileage driven a given vehicle to help evaluate and determine vehicle utilization on an annualized basis and shall be prepared for every County vehicle.

This worksheet should be completed as accurately as possible with estimates used as necessary. If travel activity is recurring on a monthly basis, one form may be completed and annualized. If travel activity is not recurring and varies from month to month, a worksheet may be prepared to reflect the varying months, then summarized to calculate an annualized estimate. Do not fill shaded spaces, this information will calculate based on your input.

See also the COM Motor Vehicle Policy Section C, County Vehicle Usage and Assignment, Section D, Take Home Vehicles (THV), and Section G, Vehicle Acquisition, Replacement and Disposal.

**Period/Month of Review :** Oct-15

	Activity Description	Purpose	From (Address/Location)	To (Address / Location)	Miles	Frequency (# of times per month)	Total Miles Per Mo.	Comments (Indicate if estimated or actual)
1	Haul Equipment	Maintenance	Baseyard	Various Districts	100	12	1200	Estimated
2	Haul Brush & Debris	Maintenance	Baseyard	District	100	16	1600	Estimated
3	Driver Training	Maintenance	Baseyard	Various Districts	120	2	240	Estimated
4							0	
5							0	
6							0	
7							0	
8							0	
9							0	
10							0	
11							0	
12							0	
13							0	
14							0	
15							0	
	<b>Month Total</b>						<b>3040</b>	
	<b>Annualized</b>						<b>2304</b>	

## **Attachment C**

**COUNTY OF MAUI**

**Acquisition for Replacement of Existing Motor Vehicle**  
**Request Form**

Department: PUBLIC WORKS Division: HIGHWAYS

Submitted by (Print Name): SHELBY H. GOMES Position Title: Automotive Repair Supv. I

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
(Department Director)

Recommended for Approval: \_\_\_\_\_ Date: \_\_\_\_\_  
(Dept. of Management)

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
(Managing Director)

The vehicle requested for replacement consideration must meet at least two of the following criteria. Identify and explain as necessary which two criteria apply: 1 and 3.

1. Passenger vehicles (sedans, station wagons, vans, light pick up trucks) - 7 years or 100,000 miles;
2. The unit, when operated, endangers the safety of the operator, passengers and/or people that are in close proximity to it, and that the repair costs to address safety issues exceed its replacement acquisition cost;
3. The unit cannot be repaired due to unavailability of parts;
4. The repair cost of a unit damaged by accident or other causes exceeds the actual cash value of the unit prior to the damage;
5. The accumulated MAJOR repair costs plus the anticipated additional repair costs to recondition the unit exceeds 50% of the replacement acquisition cost;
6. The history of annual cost of renting a substitute for a unit that is sidelined for an extended period due to difficulty in obtaining parts exceeds the average annual cost of a new unit; or
7. The unit is obsolete and is no longer suitable for the mode of operations.

**Attachment Q (Page 1 of 2)**



## **Acquisition for Replacement of Existing Motor Vehicle Request Form (Cont.)**

Requests to acquire a new vehicle to replace an existing vehicle shall be evaluated based on the requesting agency's responses to the following. Please provide complete answers to the following to ensure a complete and efficient review of the vehicle request. Additional supporting documentation may be provided if relevant to the request.

1. What is the vehicle year and current mileage reading?

1992 / 101,745 miles

2. What are the average miles of official annual usage for the past 3 years?

4,423 miles

3. What is the need for the continued use of the vehicle to maintain the present level of service? Describe in detail the function it must perform, including driving routes and miles, and the frequency of performance in a normal routine or cycle of work (which may be daily, weekly, monthly, etc.).

This truck is used regularly to attach various trailers allowing hauling of materials and equipment to various job sites. Driving routes are throughout the entire district. Truck tractor is used three times a week on average.

4. Describe the impact on operations if the vehicle is not replaced.

If we do not receive a replacement, the truck tractor will be deemed unusable due to aging parts. Parts are no longer available from the manufacturer. This will leave us with only one usable truck tractor thus making our baseyard operations less efficient.

5. Identify opportunities to substitute the vehicle with another without curtailing other essential services. Is there an existing vehicle(s) available in this division, or other divisions within the department that can be also used to accommodate this need?

What considerations have been given to consolidating vehicle use?

Although we have another truck tractor, due to the size and demands of our district two working truck tractors are required to maintain highways and public safety. Other districts also use their truck tractors regularly making lending to our district not regularly possible.

6. What is the estimated minimum mileage per year that this vehicle will be driven? (Complete the Minimum Mileage Evaluation & Determination Worksheet, see Attachment C.) See Attached

7. Prepare a cost benefit analysis. The requesting department should detail the cost(s) to acquire (i.e. costs of vehicle and any special equipment) and the benefit(s) that will be derived by the County by replacing the existing vehicle. (Benefits should include descriptions of and quantified cost savings to operations, efficiencies gained, etc.).

See Attached Sheet

**Attachment Q (Page 2 of 2)**

#895

Cost to Acquire: \$350,000.00

Existing truck tractor is over 23 years old. Parts are no longer available from the manufacturer making its use in the future not practical. By having only one operating truck tractor, maintenance crews will not be as efficient as they could be with two operating truck tractors.

Expenditures from 2010–Present:

Labor Cost: \$8,407.83

Parts Cost: \$5,397.36

TOTAL: \$13,805.19

A total of 336 man hours used.

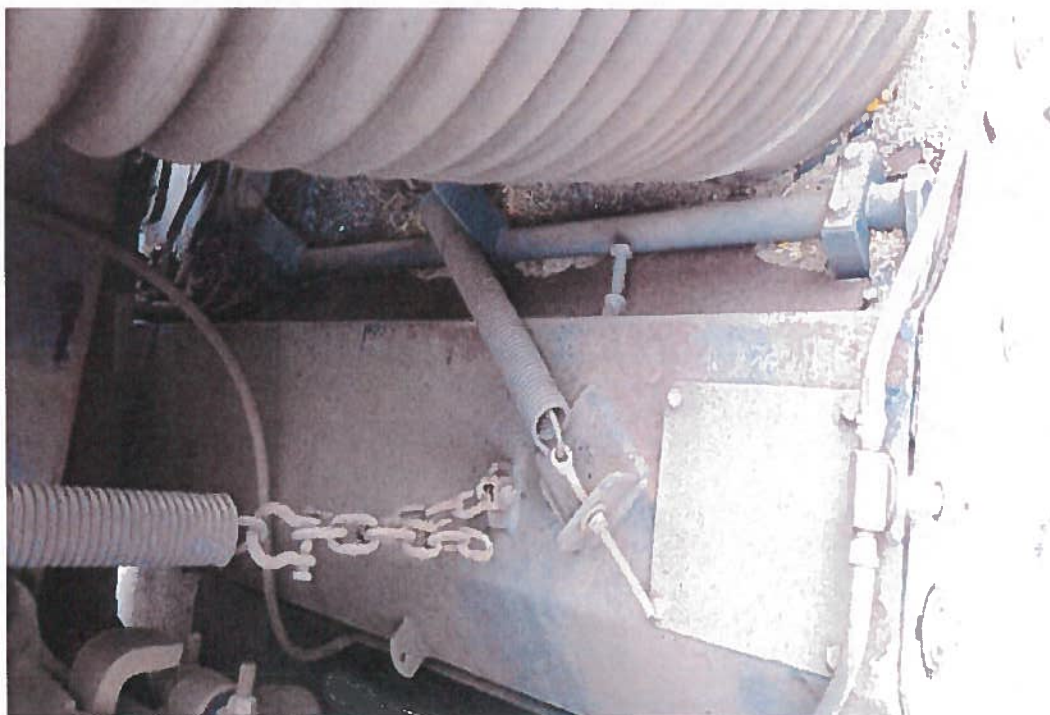
DEPARTMENT:	PUBLIC WORKS
DIVISION/SECTION:	HIGHWAYS/WAILUKU
VEHICLE/EQUIPMENT NO:	STREET SWEEPER/#22A
VEHICLE LICENSE NO:	CM2390
YEAR/MAKE/MODEL:	2008/ISUZU/MSTR
REQUIRED LIC/CERT:	EO III/CDL B
MILEAGE/HOURS:	45,850 MI. / 2,735 HRS.
TODAY'S DATE:	03/29/2016
PHOTO DATE:	08/01/2015

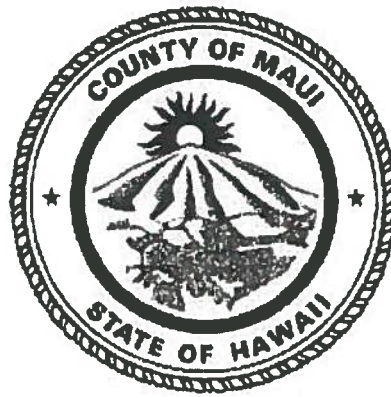












## Fleet Information

**Fleet ID** 690  
**Fleet Name** 22A SWEEPER WAILUKU HWYS  
**EQUIPMENT NO.** 22A-SWEEPER WAILUKU HWYS  
**RFS Code** 1 - Wailuku  
**DEPARTMENT** PUBLIC WORKS  
**DIVISION** HIGHWAYS  
**DISTRICT** WAILUKU  
**TYPE** SWEEPER  
**GROUP** ROAD  
**PURCHASE COST** 211202  
**CATEGORY** EQUIPMENT  
**MANUFACTURER** TYMCO  
**DESCRIPTION** VAC TYPE  
**MODEL** FVR  
**SERIAL NUMBER** 4GTM7F1BX8F700194  
**LICENSE PLATE NO.** CM2390  
**PURCHASE DATE** 10/18/2009  
**VENDOR** HT&T  
**STATUS** WORK IN PROGRESS  
**FUEL MASTER CODE** 22AS  
**VIN NUMBER**  
**INDEX CODE**  
**Mileage** 49200  
**Hours** 0

## Maintenance Work Order History

WO #	Request Date	Maintenance Type	Description	Mileage	Hours	Completed Date	Total Cost
24738	3/29/2016	New Work Order	3/28/16 SEAN-3 HRS, REPAIR FLAT TIRE AND ROTATE	49200	0	3/28/2016	\$58.86
24871	3/21/2016	New Work Order	3/21/16 MARK-5 HRS, CHECK BROOM OPERATION, NO POWER, REPAIR HOSE AND TOP OFF FLUID (100%)	49200	0	3/21/2016	\$268.72
24657	3/18/2016	Invoice	2-11R225 TIRE/EMERGENCY REPAIR SERVICE TIRE	49200	0	3/18/2016	\$827.53
		New Work	2/29/16 MIKE-TC TO AND FROM 209 BASEYARD, CHECK STARTING SYS, JUST GET IT STARTED TO BRING BACK TO THE SHOP, HAS TO REPAIR THE STARTER 3/01/16 MIKE-8				



3/29/2016

IWORQ Systems Inc.

24367	2/29/2016	Order	HRS,CONT REPAIRING STARTER CONNECTION (40%) 3/2/16 MIKE-8 HRS,COMPLETED STARTING SYS REPAIR,REPAIR HARNESS AND CHANGE SOLENOID (100%)	49200	0	3/2/2016	\$679.00
24348	2/25/2016	New Work Order	2/25/16 MARK-4 HRS,MANUAL REGEN TRUCK(100%) 2/26/16 MARK-3 HRS,REPLACE GUTTER BROOMS (100%)	49200	0	2/26/2016	\$178.08
24231	2/16/2016	New Work Order	2/16/16 MARK-5 HRS,TC TO AND FROM WAIKAPU LF,REPLACE SERPHENTINE BLADE (100%)	49200	0	2/16/2016	\$174.40
24093	2/2/2016	New Work Order	2/2/16 MARK-8 HRS,TROUBLE SHOOT ABS LIGHT SYS,CHECK R/F SENSOR ,LOOSE CONNECTION REPAIRED AND RECHECK OPERATION (OK) (100%)	49200	0	2/2/2016	\$203.52
24053	2/1/2016	New Work Order	2/1/16 KRIS-8 HRS,SERVICE AFRONT AND REAR ENGINES AT 44204 MILES 2/1/16 MARK-CHECK ENGINE LIGHT ON,DID MANUAL REGEN (100%)	49200	0	2/1/2016	\$627.88
23956	1/20/2016	Invoice	BROOMS	38300	0	1/6/2016	\$298.45
23768	1/4/2016	New Work Order	1/4/16 MARK-8 HRS,REPLACE SIDE BROOM AND REPAIR WORK LIGHT,TROUBLE SHOOTING CHECK ENGINE LIGHT (50%) 1/5/16 MARK-8 HRS,CONT ON REPAIRS dpf SYS (100%) 1/12/16 MARK-8 HRS,INSPECT WATER SYS AND CHECK ENGINE LIGHT ,DID MANUAL REGEN (100%) 1/13/16 MARK-4 HRS,INSTALLED SWITCH (EXH) (100%)	38300	0	1/13/2016	\$1,010.77
23753	12/31/2015	New Work Order	12/31/15 MARK-8 HRS,REPLACE SIDE BROOM MOTOR (100%)	38300	0	12/31/2015	\$203.52
23414	12/3/2015	Invoice	PRESS SENSOR	38300	0	11/9/2015	\$374.88
23420	12/3/2015	New Work Order	12/03/15 MARK-8 HRS,PERFORM REGEN OF THE ENGINE AND REPLACE RIGHT SIDE BROOM MOTOR AND ORDER PART FOR THE LEFT SIDE BROOM MOTOR (100%) 12/03/15 EMERSON-2 HRS,ASSIST ON REPAIRS	38300	0	12/3/2015	\$3,133.07
23390	12/1/2015	New Work Order	12/01/15 EMERSON-2 HRS,ASSIST ON PUC INSPECTION REPAIR AND STICKER 12/01/15 MIKE-8 HRS,PUC INSPECTION REPAIR (100%)	38300	0	12/1/2015	\$257.50
23321	11/23/2015	New Work Order	BROOM MOTOR/SENSOR	38300	0	11/19/2015	\$1,830.53
23308	11/20/2015	New Work Order	11/20/15 MIKE-1 HRS,REPLACE FUEL CAP (100%) 11/20/15 MARK-8 HRS,REPLACE EXH PRESSURE SENSOR (100%)	38300	0	11/20/2015	\$228.96
23298	11/19/2015	Invoice	DRIVE HUB	38300	0	11/19/2015	\$504.85
22938	10/21/2015	New Work Order	10/21/15 MARK-8 HRS,REPLACE GUTTER BROOMS AND ORDER OTHER PARTS THAT NEEDED,ADJUST BROOMS,(100%)	38300	0	10/21/2015	\$203.52
22840	10/13/2015	New Work Order	10/13/15 DANIEL-2 HRS,AIR CHECK	38300	0	10/13/2015	\$39.24
22693	10/1/2015	New Work Order	10/01/15 MARK-8 HRS,CHECK HYD LEAK AND CHECK ENGINE LIGHT ON ALSO BROOM OPERATION (50%) 10/01/15 ERIC-4 HRS ASSIST MARK ON REPAIRS,TA FOR 83	38300	0		\$299.28
22623	9/28/2015	New Work Order	9/28/15 EMERSON-1 HR,ASSIST MECHANIC REPAIR LIGHTS 9/28/15 ERIC-4 HRS,TROUBLE SHOOT LIGHT SYS,REPLACE WORK LIGHT ASSY TA FOR 86	38300	0	9/28/2015	\$298.79
22482	9/14/2015	New Work Order	9/14/15 MARK-4 HRS,FABRICATING WATER MANIFOLD BRACKET (35%) 9/15/15 MARK-6 HRS,CONTINUE FABRICATING VALVE BRACKET (60%)	38300	0	9/15/2015	\$249.40
22463	9/11/2015	New Work Order	9/11/15 MARK-8 HRS,REPLACE O-RING ON HYDRAULIC VALVE REFILL FLUID AND RECHECK FOR LEAK (100%)	38300	0	9/11/2015	\$291.39



22398	9/4/2015	New Work Order	9/4/15 MARK-8 HRS-DG CK ENGINE LIGHT-REPLACE WATER VALVE ASSY	38300	0		\$199.52
22381	8/31/2015	Invoice	8/31/15 (INV FROM VIM (INDUSTRIAL SHOP) TROUBLE SHOOT AND REPAIR ENGINE NO POWER	38300	0	8/31/2015	\$6,114.30
22242	8/24/2015	New Work Order	8/24/15 MARK-8 HRS, DISCONNECT GPS MODULE-TEST DRIVE AND CK SYSTEM OPERATIONS	38300	0	8/24/2015	\$199.52
21084	5/14/2015	New Work Order	5/14/15 TY-7 HRS, REPLACE GUTTER BROOMS	38300	0	5/14/2015	\$174.58
21080	5/13/2015	New Work Order	5/13/15 JAMES-4 HR, PUC INSPECTION	38300	0	5/13/2015	\$99.76
20919	5/1/2015	New Work Order	5/01/15 ERIC-2 HRS,CHECK AND REPAIR WIPER SYS,REPLACED BLADES ((100%) TA FOR 83	38300	0	5/1/2015	\$81.53
20838	4/24/2015	Invoice	TROUBLE SHOOT AND REPAIR AS NEEDED	38300	0	4/24/2015	\$4,175.35
20843	4/24/2015	New Work Order	4/24/15 EMERSON-1 HR,ASSIST TIRE REPAIR	38300	0	4/24/2015	\$112.92
20106	3/2/2015	Invoice	TIRES	38300	0	3/2/2015	\$326.57
20056	2/25/2015	New Work Order	2/25/15 SHERWIN-4 HRS, DIAG NO POWER	38300	0	2/25/2015	\$97.80
19753	1/23/2015	New Work Order	1/23/15 TY-8 HRS, CHECK ENGINE NO POWER-CHECK AND CLEAR CODES-REPLACE AIR FILTER 1/29/15 MARK-4 HRS,CHECK ENGINE LOSS OF POWER,RESET CHECK ENGINE LIGHT ON AND ROAD TEST.OKEY AT THIS TIME TA FOR 83	38300	0	1/29/2015	\$347.13
19680	1/20/2015	New Work Order	1/20/15 MARK-4 HRS, REPLACE LEFT AND RIGHT GUTTER BROOMS-T/A FOR MIKE	38300	0	1/20/2015	\$97.80
19669	1/16/2015	New Work Order	1/16/15 KRIS-8 HRS, SERVICE A	38300	0	1/16/2015	\$263.89
19480	1/5/2015	New Work Order	1/5/15 DANIEL-4 HRS, FLAT REPAIR-2 REAR TIRES SHERWIN-8 HRS, REPAIR WORK LIGHTS 1/6/15 KRIS-4 HRS, SERVICE FRONT ENGINE	38300	0	1/5/2015	\$629.22
19101	12/5/2014	New Work Order	12/4/14 MARK-4 HRS, REPLACE BROKEN WORK LIGHTS-T/A FOR MIKE	38300	0	12/4/2014	\$95.88
19114	12/4/2014	Invoice	LED WORK LAMP	38300	0	12/4/2014	\$164.56
19044	11/26/2014	Invoice	ACTUATOR	38300	0	11/26/2014	\$437.50
19043	11/24/2014	Invoice	ISOLATOR	38300	0	11/24/2014	\$209.37
18939	11/19/2014	New Work Order	11/19/14 SHERWIN-4 HRS,TROUBLE SHOOT PRESSURE BLEED SYS,ORDER ACTUATOR SOLENOID 11/25/14 SHERWIN-4 HRS,REPLACE BLEEDER SOLENOID	38300	0	11/25/2014	\$191.76
18844	11/12/2014	New Work Order	11/12/14 SHERWIN-4 HRS,STARTED REMOVING TRANS ASSEMBLY MIKE-4 HRS,ASSISTING SHERWIN REMOVING TRANS 11/13/14 SHERWIN-8 HRS,CONTINUE REMOVING TRANS MIKE-8 HRS,CONTINUE TRANS REMOVAL 11/13/14 SHERWIN-8 HRS,CONTINUE REPLACING TRANS MIKE-8 HRS,COMPLETED TRANS REPLACEMENT,(38043-OUTGOING MILEAGE)	38300	0	11/14/2014	\$958.80
18827	11/7/2014	Invoice	ACCELERATOR PEDAL ASSY	38300	0	11/7/2014	\$365.70
19206	11/6/2014	Invoice	TRANSMISSION	38300	0	11/6/2014	\$4,609.60
18659	10/30/2014	Invoice	GUTTER BROOM	38300	0	10/30/2014	\$1,079.17
18220	9/29/2014	New Work Order	9/29/14 SHERWIN-8 HRS,CHANGE SIDE BROOMS,AND CHECK ENGINE LITE,DID REGEN. 9/30/14 SHERWIN-8 HRS,TROUBLE SHOOTING ENGINE POWER	38300	0	9/30/2014	\$5,193.64
18225	9/29/2014	Invoice	LAMP	38300	0	9/29/2014	\$66.91
17771	8/26/2014	New Work Order	8/26/14 MARK-4 HRS,CHECK AND FIX WORK LIGHT	38300	0	8/26/2014	\$92.52
17558	8/13/2014	Invoice	FITTINGS	38300	0	8/13/2014	\$89.53
17557	8/12/2014	Invoice	FITTINGS	38300	0	8/12/2014	\$238.57

17430	8/1/2014	New Work Order	8/1/14 LEE-8 HRS, REPLACE GUTTER BROOMS AND WATER MANIFOLD (36657-OUTGOING MILEAGE) 8/1/14 LARRY-8 HRS ASSISTE LEE REPLACED MANIFOLD AND BROOMS	38300	0	8/1/2014	\$383.52
17345	7/24/2014	Invoice	BOOM/FRT	38300	0	7/24/2014	\$479.14
17346	7/24/2014	Invoice	BROOM/FRT	38300	0	7/24/2014	\$479.14
17160	7/15/2014	New Work Order	7/15/14 JAMES-4 HRS, CHECK AND FIX ENGINE POWER RETRIEVE CODE, RESET AND ROAD TEST	38300	0	7/15/2014	\$95.88
17087	7/10/2014	Invoice	HWSLSMS	38300	0	7/10/2014	\$12.78
17093	7/10/2014	New Work Order	7/10/14 MARK-4 HRS, CHECK AND REPAIR HOPPER DEFLECTOR BLADE AND REPLACE ONE HEADLIGHT, TA FOR 102	38300	0	7/10/2014	\$95.88
16615	6/9/2014	New Work Order	6/9/14 LARRY-2 HRS, CHECK REGEN AND GUTTER BROOMS, ROAD TEST	38300	0	6/9/2014	\$47.94
16311	5/13/2014	New Work Order	5/13/14 JAMES-DPF LIGHT ON-PERFORM REGEN 5/15/14 JAMES-CHECK ENG LIGHT ON AND RETRIEVE CODES, ROAD TEST AND FOUND OUT CODE IS INTERMITTENT	38300	0	5/13/2014	\$95.88
16249	5/8/2014	New Work Order	5/8/14 TY-REPLACED GUTTER BROOMS	38300	0	5/8/2014	\$191.76
16143	4/30/2014	Invoice	DRAIN	38300	0	5/6/2014	\$215.62
16053	4/29/2014	Invoice	A. F. FILTERS/FLEETRUNNER BELT	38300	0	4/29/2014	\$183.36
15959	4/22/2014	New Work Order	4/22/14 JAMES-TROUBLE SHOOTING ENGINE PROBLEM 4/24/14 JAMES-CONTINUE TROUBLESHOOTING ENGINE POWER 4/28/14 JAMES-COMPLETED REPAIRS, DISCONNECT EXHAUST BRAKE SYS	38300	0		\$282.00
16110	4/17/2014	Invoice	DRAIN/FRT	38300	0	4/17/2014	\$215.62
15933	4/17/2014	Invoice	SENSOR OUTPUT SPEED	38300	0	4/17/2014	\$82.76
15798	4/10/2014	New Work Order	4/10/14 JAMES-REMOVED AND REPLACED DPF FILTER 4/10/14 MARK-ASSISTED MECHANIC REPLACING DPF FILTER 91A FOR 86)	38300	0	4/10/2014	\$282.00
15601	4/1/2014	Invoice	DPF FILTER ASSY	38300	0	4/1/2014	\$2,571.55
15388	3/20/2014	New Work Order	3/20/14 MARK-TROUBLE SHOOTING ENGINE FOR LOSS OF POWER (TA FOR 85) 3/21/14 MARK-CONTINUE TROUBLE SHOOTING ENGINE POWER (DPF-REGEN PROBLEM) TA FOR 85	38300	0	3/21/2014	\$376.00
15307	3/14/2014	New Work Order	3/41/14 TY-CHECK AND REPAIR ENGINE FOR NO POWER, MANUAL REGEN OF DPF SYS 3/17/14 TY-RECHECK ENGINE LOSS POWER PROBLEM, MANUAL REGEN ENGINE	38300	0	3/17/2014	\$376.00
14798	2/11/2014	New Work Order	2/11/14 LARRY-T/C TO KAHAKULOA-CHECK AND CLEAR CODES	38300	0		\$94.00
14609	1/31/2014	New Work Order	1/31/14 MIKE-REPLACED SIDE BROOMS	38300	0	1/31/2014	\$94.00
14683	1/31/2014	Invoice	DRAW LINK/FRT	38300	0	1/31/2014	\$325.94
14428	1/21/2014	Invoice	HOSE ASSY	38300	0	1/21/2014	\$2,272.49
14335	1/15/2014	New Work Order	1/15/14 SHERWIN-STRAIGHTEN DRAG LINK	38300	0	1/15/2014	\$188.00
14225	1/8/2014	New Work Order	1/8/14 TY-REPLACED RUBISH SUCTION HOSE	38300	0	1/8/2014	\$188.00
14136	1/3/2014	Invoice	WIPER BLADES	38300	0	1/3/2014	\$21.85
14124	1/2/2014	Invoice	WIPER BLADE	38300	0	1/2/2014	\$15.82
14026	12/26/2013	New Work Order	12/26/13 TY-CHECK AND REPLACE WIPER BLADES 12/26/13 TREVOR-SERVICE A 12/27/13 TREVOR-CONTINUE SREVICE A	38300	0	12/26/2013	\$740.79
13714	12/6/2013	Invoice	CABLE ASSY	32900	0	12/6/2013	\$401.24
13717	12/6/2013	New Work Order	12/6/13 SHERWIN-REMOVED AND REPLACED HOPPER DOOR CABLE	32900	0	12/6/2013	\$188.00
13501	11/26/2013	New Work Order	11/26/13 JAMES-PUC INSPECTION REPAIR AND STICKER[32979 MILEAGE]	32900	0	11/26/2013	\$94.00

3/29/2016

IWORQ Systems Inc.

13494	11/25/2013	New Work Order	11/25/13 MARK-REMOVED AND REPLACED WATER SPRAYER VALVE ASSY TA FOR 84	32900	0	11/25/2013	\$94.00
13425	11/19/2013	Invoice	WATER M	32900	0	11/19/2013	\$615.93
13401	11/18/2013	New Work Order	11/18/13 MARK-CHECK AND REPAIR WATER NOZZLE	32900	0	11/18/2013	\$94.00
13311	11/12/2013	New Work Order	11/12/13 MARK-CHECK SHIFTER CABLE TA FOR 0084 11/13/13 MARK-CHECKING WATER SPRAY(TA FOR 84)	32900	8	11/12/2013	\$188.00
13331	11/12/2013	Invoice	TRANS SERVICE PARTS	32900	8	11/13/2013	\$385.06
13395	11/9/2013	Invoice	LEE: EMERGENCY CALL OUT/OPEN/CLOSE SHOP/CALL & ASSIST MECHANIC JAMES: EMERGENCY CALL OUT/TROUBLE CALL/TROUBLE SHOOT/EQUIP #22A/WAI HIGHWAYS 12PM-3PM	32900	0	11/9/2013	\$231.57
13303	11/9/2013	New Work Order	EMERGENCY CALL OUT CHECK TRANSMISSION OIL & BREPAIR LIGHTS 12PM-3PM	32900	0	11/9/2013	\$0.00
13260	11/7/2013	New Work Order	11/7/13 MARK-CHECK WATER SPRAY SYS.TA FOR #84.	32900	8	11/7/2013	\$94.00
12521	10/3/2013	Invoice	GUTTER BRM DGR TYP COR	32900	8	10/3/2013	\$332.62
12456	10/2/2013	New Work Order	10/2/13 MARK-CHANGE SIDE BROOMS 10/3/13 MARK-CHECK AND REPLACED HEADLIGHTS	32900	8	10/2/2013	\$177.84
11085	8/2/2013	Invoice	GUTTER BROOMS	32900	0	8/2/2013	\$625.54
10373	7/17/2013	Invoice		32900	8		\$10.70
10385	7/17/2013	Invoice	7/17/13 Diag. aux. hydraulic pump. Replace switch assy.	32900	4		\$0.00
11222	7/17/2013	Invoice	Parts total for the month of July.	32900	0	7/17/2013	\$21.40
10262	7/9/2013	Invoice	7/9/13 Replace side brooms, reset check oil light and regen DPF	32900	4		\$0.00
10267	7/9/2013	Invoice	7.9.13 Villon-R/R side buckets, ck & diag, engine light & svc oil lite on. Retrieve DPF.	32900	4		\$0.00
10268	7/9/2013	Invoice	7.9.13 Villon-R/R side buckets, ck & diag, engine light & svc oil lite on. Retrieve DPF.	32900	4		\$0.00
11221	6/10/2013	Invoice	Parts total for the month of June.	32900	0	6/10/2013	\$280.55
9927	6/10/2013	Invoice		32900	8		\$280.55
9710	5/28/2013	Invoice	5.24.13 Sherwin-R&R electric hyd pump	32900	8		\$0.00
9644	5/21/2013	Invoice		32900	8		\$1,249.99
9499	5/13/2013	Invoice		32900	8		\$1,249.99
11220	5/13/2013	Invoice	Parts total for the month of May.	32900	0	5/21/2013	\$2,499.98
9169	4/30/2013	New Work Order	4.29.13 Sherwin-Check hopper cant close,found electric hyd motor inoperative	32900	4		\$0.00
9071	4/24/2013	New Work Order	4.23.13 Sherwin-R&R side brooms	32900	2		\$0.00
9016	4/22/2013	New Work Order	4.19.13 James-Adjust gutter broom	32900	2		\$0.00
9031	4/22/2013	Invoice		32900	8		\$280.55
8661	4/9/2013	New Work Order	4.8.13 Sherwin-R&R water manifold,did regen and fix broken deck spring	0	8		\$0.00
8669	4/9/2013	Invoice		0	8		\$2.25
8682	4/9/2013	New Work Order	3.21.13 Service A.	32900	8		\$0.00
11219	4/9/2013	Invoice	Parts total for the month of April. 11.5.12 Villon-R/R sweeper brush. 11.25.12 Tamayose-Emergency call	32900	0	4/22/2013	\$282.80
7955	12/13/2012	Old Work Order	out/Troublecall/Troubleshoot. Sweeper unable to start. Jump start. Ck charging sys. Batteries need replacing. 11.25.12 Yonamine-Emergency call out. Open/close shop. Call out & assis			12/13/2012	\$650.16
7630	10/10/2012	Old Work Order	10.10.12 Fernandez-DG ck.engine lgt. DG regenerative emissionscode - perform DPFE regen. Clear codes. 10.10.12 Fillazar-Assist DG check engine light and DPF burn.			10/10/2012	\$181.08

Old Work



3/29/2016

IWORK Systems Inc.

Order #	Date	Description	Date	Amount
7607	10/9/2012	Order	10/9/2012	\$62.50
7594	10/8/2012	Old Work Order	10/8/2012	\$531.78
7290	9/19/2012	Old Work Order	9/19/2012	\$438.92

9.4.12 Villon-Remove & repair blower head bracket & seperator guard. R/R bushing mount on door motor. 9.10.12 Tamura-Service A. 9.12.12 Villon-R/R broom brushes.

Total Cost \$60,908.36

## Assigned Parts

Part #	Category	Vendor	Description
200 RYCO ASSY 130a-4-360404-360404-20.5 EQUIPMENT	D&M	HYDRAULIC	689619-001 MARK
7/17/13 EQUIPMENT			
7/17/13 EQUIPMENT			
ACCELERATOR PEDAL ASSY	15254432 EQUIPMENT	KAHULUI TRUCKING & STORAGE	P81835-1 SHERWIN
ACTUATOR 5014315 EQUIPMENT	HT&T TRUCK CENTER	P214406	EMERSON
AIR FILTER 6664 EQUIPMENT	UNITED AUTO	447765	KRIS
ALL EQUIPMENT			
ALL EQUIPMENT			
ALL EQUIPMENT			
AW32 HYD FL EQUIPMENT	UNITED AUTO PARTS INV.	#475469	MARK
BELT EQUIPMENT	UNITED AUTO PARTS INV.	#492246	MARK
BOOM/FRT 41-PATEL P5 EQUIPMENT	HT&T TRUCK CENTER	P211014	EMERSON
BOOM/FRT 41-PATEL P5 EQUIPMENT	HT&T TRUCK CENTER	P211013	EMERSON
BROOM MOTOR EQUIPMENT	KAHULUI TRUCKING INV.	#P85410-1	MARK
BROOMS 41-PATEL P5 EQUIPMENT	HT&T TRUCK CENTER INV.	P224542	EMERSON
BROOMS EQUIPMENT	HT&T INV.	P202216	EMERSON
BROOMS EQUIPMENT	HT&T INV.	P202127	EMERSON
BROOMS EQUIPMENT	HT&T INV.	P202126	EMERSON
CABLE ASSY EQUIPMENT	CWR INV.	224453	EMERSON
DPD SENSORS EQUIPMENT	KAHULUI TRUCKING INV.	#P85411-1	MARK
DPF FILTER ASSY 8-97608-053-3 EQUIPMENT	HT&T TRUCK CENTER	QUOTE	EMERSON
DRAG LINK 500157 EQUIPMENT	HT&T TRUCK CENTER	P206412	LEE
DRAIN EQUIPMENT	HT&T TRUCK CENTER INV.	#P208443	EMERSON
DRAIN/FRT 506905 EQUIPMENT	HT&T TRUCK CENTER	P208443	EMERSON
DRIVE HUB 5012584 EQUIPMENT	KAHULUI TRUCKING INV.	P85409-1	
EMERSON SUPPLIES + TAX	General HT&T TRUCK CENTERS	SRING, FRT	
FILTER 2321 EQUIPMENT	UNITED AUTO	448996	KRIS
FILTER 6664 EQUIPMENT	UNITED AUTO	450902	TY
FILTERS EQUIPMENT	UNITED AUTO PARTS INV.	#490218	KRIS
FILTERS EQUIPMENT	UNITED AUTO PARTS INV.	407971	TREVOR
FILTERS EQUIPMENT	UNITED AUTO PARTS INV.	407973	TREVOR
FILTERS/BELT ALL 25-080726HDEQUIPMENT	UNITED AUTO PARTS	421196	JAMES
FITTINGS EQUIPMENT	ISI HAWAII INV.	719064	EMERSON
FITTINGS EQUIPMENT	ISI HAWAII INV.	719190	
GALV CAP 2" CAPEQUIPMENT	LOWE'S INV.	22044772	MIKE
GUTTER BRM DRT TYP COR 41-PATMOP-4 EQUIPMENT	HT&T TRUCK CENTER	P203633	EMERSON
GUTTER BROOM 41-PATEL P5 EQUIPMENT	HT&T TRUCK CENTER INV.	P213668	EMERSON
GUTTER BROOM 41-PATEL P5 EQUIPMENT	HT&T TRUCK CENTER INV.	P213667	EMERSON
GUTTER BROOM EQUIPMENT	HT&T TRUCK CENTER INV.	#P224542	EMERSON
GUTTER BROOM SWITCH	KAHULUI TRUCKING INV.	P86009-1	MARK



## 503842 EQUIPMENT

HOSE ASSY ALL EQUIPMENT HT&T TRUCK CENTER P206137 JAMES  
 ISOLA TOR20577 EQUIPMENT HT&T TRUCK CENTER P214331 EMERSON  
 LAMP5070 EQUIPMENT UNITED AUTO PARTS 437492 SHERWIN  
 LED WORK LAMP2001 EQUIPMENT UNITED AUTO PARTS 444457 MARK  
 LIGHTING GRO 77193 EQUIPMENT CO-MATIC 268835 SHERWIN  
 MUFFLER CLAMP EQUIPMENT TIFCO IND INV 70992003-EMERSON  
 PREM AW HYD89-905 EQUIPMENT UNITED AUTO PARTS 496268 MARK  
 PRESS SENSOR 8-97359-985-2 EQUIPMENT KAHULUI TRUCKING INV P85299-1-MARK  
 REIGHT EQUIPMENT HT&T TRUCK CENTER INV P213669  
 REPAIR ENGINE EQUIPMENT JIM FALKS VALLEY ISLE MOTORS INV 519137 LEE YONAMINE  
 SENSOR OUTPUT SPEED 29536408 EQUIPMENT KAHULUI TRUCKING & STORAGE P79862-1 JAMES  
 SERVICE CALL EQUIPMENT SERV CO TIRE INV. #3891RM5 EMERSON  
 SHERWIN ALL General STD MOTOR NUT, WASHER AND TAX  
 SIDE BROOM MOTOR EQUIPMENT KAHULUI TRUCKING INV. #P85408 MARK  
 SIDE BROOM MOTOR EQUIPMENT KAHULUI TRUCKING INV. #P85408-1 MARK  
 SOLENOID/PRIM WIR/HEAT SHRINK ALL EQUIPMENT UNITED AUTO PARTS 494680 MIKE  
 SWITCH 503842 EQUIPMENT KAHULUI TRUCKING INV P86009-1  
 SWSLSMS 1173155 EQUIPMENT FASTENAL HMAU31902 MARK  
 TRES EQUIPMENT SERV CO TIRE INV. #11186RM6 LEE  
 TRES 11R22.5/14 SAILUN S-685 REGINAL EQUIPMENT COMMERCIAL TIRE SOURCE 1-3966  
 RIB LLC EMERSON  
 TRANSMISSION ASSY EQUIPMENT KAHULUI TRUCKING AND STORAGE QUOTE-JAMES  
 TRANS SERVICE PARTS EQUIPMENT KAHULUI TRUCKING INV. #P78510-1 JAMES  
 TRANSMISSION 2500RDS EQUIPMENT KAHULUI TRUCKING & STORAGE P81817-1 EMERSON  
 TROUBLE SHOOT EQUIPMENT JIM FALKS VIM INV 515427-SHERWIN  
 W/BLADES 80-2243 EQUIPMENT UNITED AUTO PARTS INV 461452-ERIC  
 WATER M22839 EQUIPMENT HT&T TRUCK CENTER P204784 JAMES  
 WIPER BLADE EQUIPMENT UNITED AUTO PARTS INV 408210-MARK  
 WIPER BLADES 60022 EQUIPMENT UNITED AUTO PARTS INV 408315-TY  
 WORK LAMPS EQUIPMENT UNITED AUTO PARTS INV. #477184 ERIC



# MINIMUM USE MILEAGE EVALUATION & DETERMINATION WORKSHEET

Department: PUBLIC WORKS

Division: HIGHWAYS

Position Title(s): Equipment Operator III

Duties:  
Clean Streets and Parking Lots

Recommended Vehicle:	ISUZU	MSTR	2008	CoM 2390	22	41,659	10/14/2015
	Make	Model	Year	License #	Asset #	Odometer Reading & Date	

Prepared by (Print): EARLE KUKAHIKO

Prepared by (Signature):

Date: 10/14/2015

Approved by Director:

Date:

Instructions: This worksheet serves to document mileage driven a given vehicle to help evaluate and determine vehicle utilization on an annualized basis and shall be prepared for every County vehicle.

This worksheet should be completed as accurately as possible with estimates used as necessary. If travel activity is recurring on a monthly basis, one form may be completed and annualized. If travel activity is not recurring and varies from month to month, a worksheet may be prepared to reflect the varying months, then summarized to calculate an annualized estimate. Do not fill shaded spaces; this information will calculate based on your input.

See also the COM Motor Vehicle Policy Section C, County Vehicle Usage and Assignment, Section D, Take Home Vehicles (THV), and Section G, Vehicle Acquisition, Replacement and Disposal.

Period/Month of Review : Oct-15

	Activity Description	Purpose	From (Address/Location)	To (Address / Location)	Miles	Frequency (# of times per month)	Total Miles Per Mo.	Comments (indicate if estimated or actual)
1	Street Sweeping	Maintenance	Baseyard	Kihel	26	8	208	Estimated
2	Street Sweeping	Maintenance	Baseyard	Kahului	14	12	168	Estimated
3	Street Sweeping	Maintenance	Baseyard	Wailuku	8	12	96	Estimated
4	Street Sweeping	Maintenance	Baseyard	Walehu	12	6	72	Estimated
5							0	
6							0	
7							0	
8							0	
9							0	
10							0	
11							0	
12							0	
13							0	
14							0	
15							0	
	Month Total						544	
	Annualized						2304	

## Attachment C

COUNTY OF MAUI

**Acquisition for Replacement of Existing Motor Vehicle  
Request Form**

Department: PUBLIC WORKS Division: HIGHWAYS

Submitted by (Print Name): EARLE KUKAHIKO Position Title: DISTRICT SUPERVISOR

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
(Department Director)

Recommended for Approval: \_\_\_\_\_ Date: \_\_\_\_\_  
(Dept. of Management)

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
(Managing Director)

The vehicle requested for replacement consideration must meet at least two of the following criteria. Identify and explain as necessary which two criteria apply: 2 and 4.

1. Passenger vehicles (sedans, station wagons, vans, light pick up trucks) - 7 years or 100,000 miles;
2. The unit, when operated, endangers the safety of the operator, passengers and/or people that are in close proximity to it, and that the repair costs to address safety issues exceed its replacement acquisition cost; **See attached cost analysis**
3. The unit cannot be repaired due to unavailability of parts;
4. The repair cost of a unit damaged by accident or other causes exceeds the actual cash value of the unit prior to the damage; **See attached cost analysis**
5. The accumulated MAJOR repair costs plus the anticipated additional repair costs to recondition the unit exceeds 50% of the replacement acquisition cost;
6. The history of annual cost of renting a substitute for a unit that is sidelined for an extended period due to difficulty in obtaining parts exceeds the average annual cost of a new unit; or
7. The unit is obsolete and is no longer suitable for the mode of operations.

**Attachment Q (Page 1 of 2)**

## **Acquisition for Replacement of Existing Motor Vehicle Request Form (Cont.)**

Requests to acquire a new vehicle to replace an existing vehicle shall be evaluated based on the requesting agency's responses to the following. Please provide complete answers to the following to ensure a complete and efficient review of the vehicle request. Additional supporting documentation may be provided if relevant to the request.

1. What is the vehicle year and current mileage reading?  
**2008 / 41,659 MI. / 2,455 HR.**
2. What are the average miles of official annual usage for the past 3 years?  
**17,854 MI.**
3. What is the need for the continued use of the vehicle to maintain the present level of service? Describe in detail the function it must perform, including driving routes and miles, and the frequency of performance in a normal routine or cycle of work (which may be daily, weekly, monthly, etc.). **This vehicle is used to keep our streets free of debris. This sweeper travels an average of 43-45 miles per shift, 5 nights a week as well as periodic day usage when asked to respond to emergency road work. Numerous down time were incurred these past few years that have disrupted the mileage count.**
4. Describe the impact on operations if the vehicle is not replaced. **Numerous hours of manual sweeping will need to be done, creating an unsafe work environment putting personnel in jeopardy.**
5. Identify opportunities to substitute the vehicle with another without curtailing other essential services. Is there an existing vehicle(s) available in this division, or other divisions within the department that can be also used to accommodate this need? What considerations have been given to consolidating vehicle use? **This vehicle is a one of kind equipment used by the Highways Division to maintain the safety of roadways throughout the District.**
6. What is the estimated minimum mileage per year that this vehicle will be driven? (Complete the Minimum Mileage Evaluation & Determination Worksheet, see Attachment C.) **See Attached**
7. Prepare a cost benefit analysis. The requesting department should detail the cost(s) to acquire (i.e. costs of vehicle and any special equipment) and the benefit(s) that will be derived by the County by replacing the existing vehicle. (Benefits should include descriptions of and quantified cost savings to operations, efficiencies gained, etc.).  
**See Attached**

### **Attachment Q (Page 2 of 2)**



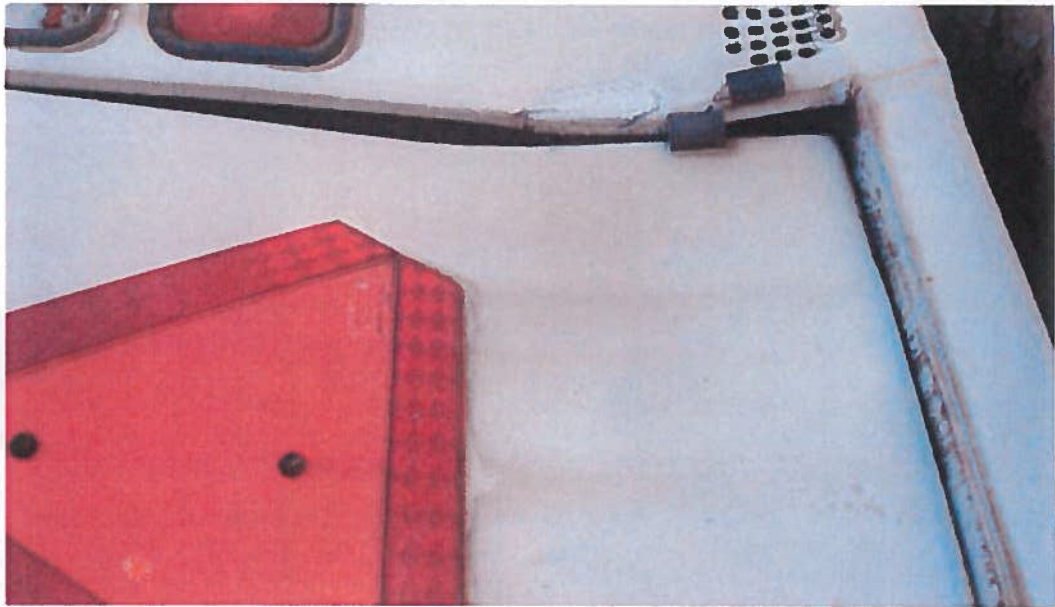
DEPARTMENT:  
DIVISION/SECTION:  
VEHICLE/EQUIPMENT NO:  
VEHICLE LICENSE NO:  
YEAR/MAKE/MODEL:  
REQUIRED LIC/CERT:  
MILEAGE/HOURS:  
TODAY'S DATE:  
PHOTO DATE:

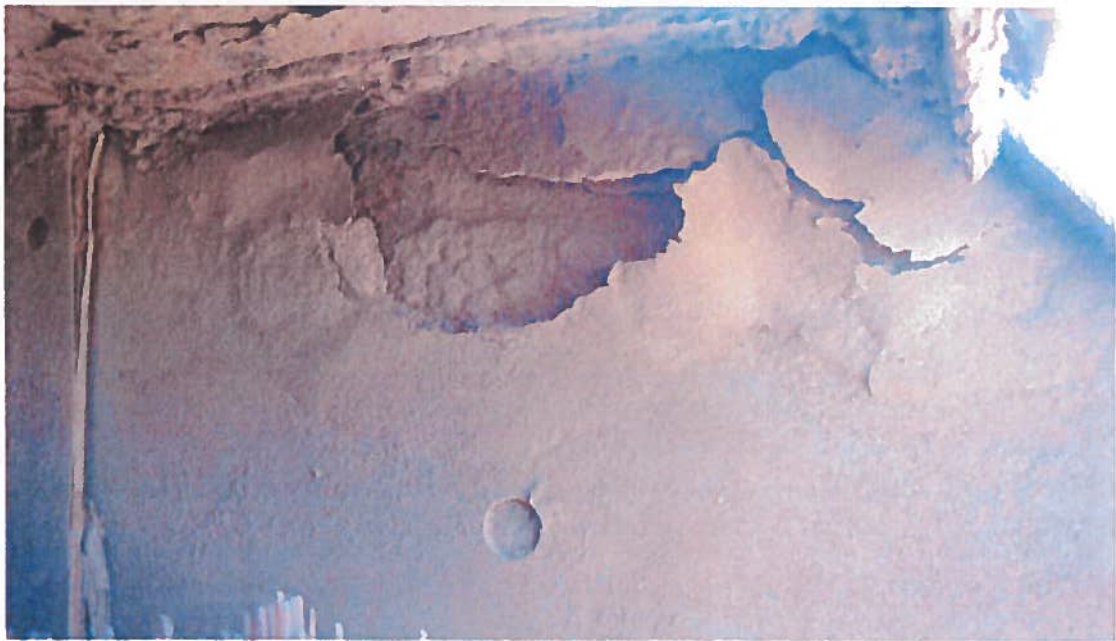
PUBLIC WORKS  
HIGHWAYS LAHAINA  
23A  
COM2351  
2007 INTERNATIONAL ELGIN BROOM BEAR  
CLASS B  
39142  
3/31/16  
3/31/16



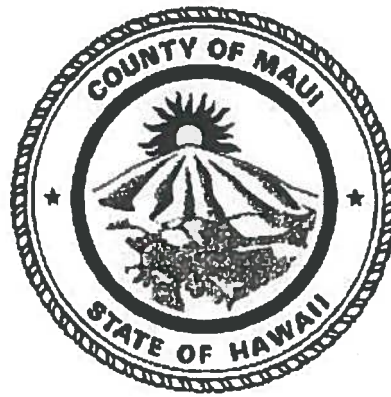












## Fleet Information

**Fleet ID** 692  
**Fleet Name** 23A Streetsweeper  
**EQUIPMENT NO.** 00023A-SWEEP  
**RFS Code** 4 - Lahaina  
**DEPARTMENT** PUBLIC WORKS  
**DIVISION** HIGHWAYS  
**DISTRICT** LAHAINA  
**TYPE** SWEEPER  
**GROUP** ROAD  
**PURCHASE COST** 191496  
**CATEGORY** VEHICLES  
**MANUFACTURER** INTERNATIONAL  
**DESCRIPTION** BROOM TYPE  
**MODEL** ELGIN BROOM BEAR  
**SERIAL NUMBER** 1HTMMAAN87H495200  
**LICENSE PLATE NO.** CM2351  
**PURCHASE DATE** 12/3/2008  
**VENDOR** CUMMINS WEST  
**STATUS** ACTIVE  
**FUEL MASTER CODE** 23AS  
**VIN NUMBER**  
**INDEX CODE**  
**Mileage** 29785  
**Hours** 15

## Maintenance Work Order History

WO #	Request Date	Maintenance Type	Description	Mileage	Hours	Completed Date	Total Cost
24284	2/19/2016	New Work Order	2/19/16 SEAN-4 HRS, TC TO AND FROM LAHAINA BASEYARD, SEAT TIRE BEAD	29785	15	2/19/2016	\$78.48
14368	1/15/2014	Invoice	Hydraulic system O/heating repair wiring for oil cooler fan	29785	5	1/15/2014	\$117.50
13681	11/27/2013	New Work Order	Annual Safety Inspection	29120	1	11/27/2013	\$23.50
13827	11/6/2013	Invoice	Valley Isle Motors, Inv#148309, 11/6/13:thermostat	29120	15		\$23.50
13224	11/4/2013	New Work Order	Check engine - overheating, wash radiator	28599	1	11/4/2013	\$23.50
			10/28/13:replace elev. shaft bearings, replace R/L				

13229	10/28/2013	New Work Order	gutter brushes, repair right side brush tilt mechanism, continue a/c trouble shooting 10/25/13: troubleshoot a/c system, begin elev. lower shaft bearing replacement 10/29/13: troubleshoot and repair a/c	28599	15	10/29/2013	\$352.50
13039	10/22/2013	New Work Order	Check a/c system and sweeper elevator, order parts	28599	1	10/22/2013	\$23.04
12013	9/19/2013	New Work Order	Repair gutter broom pin and lock, relocate sled lever	28122	1	9/18/2013	\$23.04
9716	5/28/2013	Invoice	5.24.13 Kris-Mount spare	0	2		\$0.00
9663	5/22/2013	Invoice		0	0		\$367.00
8013	11/7/2012	Old Work Order	11/05/12 Adjust main broom (binding on right side). Change dirt shoes. 11/07/12 Weld studs for left dirt shoe (2 missing).			11/7/2012	\$674.28
7903	10/31/2012	Old Work Order	10/31/12 Adjust m/broom (too far to the left).			10/31/2012	\$46.08
7902	10/26/2012	Old Work Order	10/26/12 Replace main broom assy.			10/26/2012	\$1,188.24
7901	10/22/2012	Old Work Order	10/22/12 Steam wash machine, adjust elev. chain, grease machine.			10/22/2012	\$161.28
7900	10/18/2012	Old Work Order	10/18/12 Repair damage to rear broom cover.			10/18/2012	\$69.12
7899	9/28/2012	Old Work Order	9/28/12 Change left side brush segment set.			9/28/2012	\$473.04
7898	9/20/2012	Old Work Order	9/20/12 Change batteries (2).			9/20/2012	\$260.54
7897	8/1/2012	Old Work Order	8/01/12 Unclog a/c evap. tray drain.			8/1/2012	\$23.04
6985	7/30/2012	Old Work Order	7.30.12 Costa-Change 2-11R22.5 (LAH).			7/30/2012	\$73.92
7896	7/30/2012	Old Work Order	7/30/12 Change one tire.			7/30/2012	\$23.04
6476	5/29/2012	Old Work Order	5/29/12 Adjust m/broom height.			5/29/2012	\$23.04
6065	4/4/2012	Old Work Order				4/4/2012	\$46.08
5757	1/26/2012	Old Work Order	1/26/12 Repair work lights			1/26/2012	\$23.04
5756	12/2/2011	Old Work Order	12/01/11			12/2/2011	\$43.70
5755	11/23/2011	Old Work Order	11/23/11 Service---change eng. oil and filter, lube, general inspection, top all fluids, recharge a/c system.			11/23/2011	\$281.52
5754	11/22/2011	Old Work Order	11/22/11 Change one rear mud flap, lube gutter broom swivel points (sticky).			11/22/2011	\$115.20
4876	10/31/2011	Old Work Order	10/31/11 Clean gutter broom spray nozzle screens.			10/31/2011	\$23.04
4822	10/27/2011	Old Work Order	10/25/11 Remove dirt shoes and straighten right broom guide and brackets. 10/26/11 Remove broken bolt from broom guide. 10/27/11 Weld new stud for dirt shoe and install new dirt shoes.			10/27/2011	\$759.14
4821	10/24/2011	Old Work Order	10/24/11 Replace r/r work lamp again (lens cracked and bulb burnt). Replace with different type.			10/24/2011	\$48.90
4820	10/11/2011	Old Work Order	10/11/11 Replace r/r work lamp assy. again (lens cracked)			10/11/2011	\$43.47
4819	9/26/2011	Old Work Order	9/26/11 Clean water system strainer			9/26/2011	\$23.04
4818	9/23/2011	Old Work Order	9/23/11 Replace right and left gutter broom segment sets, m/broom work light assy. Clean nozzles for road spray.			9/23/2011	\$760.36
4341	8/25/2011	Old Work Order	8/25/11 Adjust m/broom height, repair gutter broom light.			8/25/2011	\$31.07

3/31/2016

IWORQ Systems Inc.

3688	4/27/2011	Old Work Order	4/27/11 Remove right dirt shoe mounting plates and straighten--re-install.	4/27/2011	\$69.12
3687	3/2/2011	Old Work Order	3/02/11 Change m/broom (parts provided w hen equipment purchased new ). Also, modify m/broom access cover bolts for easy access.	3/2/2011	\$138.24
2329	1/26/2011	Old Work Order	1/26/11 Change l/gutter broom segment set	1/26/2011	\$357.93
1993	12/23/2010	Old Work Order	12/23/10 Warning light for elev. keeps going on even though elev. is not jammed. Check elevator system and sensor wiring, all seem o.k. Test--o.k.	12/23/2010	\$46.08
1795	12/22/2010	Old Work Order	12/01/10 Elevator keeps jamming. R/lower shaft bearing no good. Order parts. 12/22/10 Replace shaft bearing (Duplicate w/o #1992)	12/22/2010	\$23.04
1992	12/22/2010	Old Work Order	12/22/10 Replace right low er elev. shaft bearing	12/22/2010	\$285.59
1728	11/23/2010	Old Work Order	11/23/10 Hopper raised w arning beeper w on't go off. Check sensor and wiring. Everything seems OK at this time and beeper is off.	11/23/2010	\$23.04
1448	10/29/2010	Old Work Order	10/28/10 Adjust m/broom height, repair left side work light, sw ap left and right dirt shoes (w earing unevenly), repair right sled chain. 10/29/10 Change right side broom, service---change eng oil and filter, lube, check all fluids.	10/29/2010	\$256.29
1116	9/21/2010	Old Work Order	9/21/10 Adjust m/broom height.	9/21/2010	\$23.04

Total Cost\$7,458.61

## 23A STREET SWEEPER REPAIR & MAINTENANCE COST

### Repair costs for the period 1/1/14 to present:

Service and repair parts: **\$14,829.78**

Maintenance personnel: 189 hours @ 24.50 (avg.): **\$4,630.50**

**Total: \$19,460.28**

Date	Description
1/15/14	Hyd. system o/heat---repair cooling fan wiring
2/25/14	Adjust brooms
5/27/14 -7/14/14	Replace elev. chains, sprockets, rubber wipers, drape mount and drape, l/h dirt shoe, upper and lower elev. shaft bearings, elev. drive sprockets and chains, water spray pump, main broom, recharge a/c system. Change eng. oil and filter, lube.
7/17/14	Repair broken broom mount plate and flip broom.
10/16/14	Check and repair accelerator.
10/17/14	Re-install elev. drive sprocket key, re-charge a/c system.
10/29/14	Change both gutter broom sets.
12/04/14	Recharge a/c system, replace high side service valve core.
2/04/15	Re-charge a/c system.
6/03/15	Adjust m/broom
9/04/15	Change water pump and coolant.
10/12/15	Repair damaged m/broom side plates.
10/30/15	Change r/segment set.
11/24/15	Re-charge a/c system.
11/30/15	Repair work lights.
1/15/16	Replace piston seal in m/broom lift cylinder.
2/03/16	Re-charge a/c system.
2/19/16	Service---change eng. oil and filter, air filter, lube, change 4 tires, check eng. oil pressure gauge and order sensor.
2/29/16	Change oil pressure sensor. Change a/c service valves and charge system.

### Present condition of machine:

1. A/C system leaks. Est. cost of repair: **\$2000**
2. Rear storage compartment damage. Est. cost of repair: **\$6000**
3. M/broom compartment and panels rusted out. Est. cost of repair **\$7000**
4. Due to the age of the machine, **the hydraulic system hoses and cylinders will probably start failing in the near future and will require replacement one by one. \$\$\$\$\$\$**





# **MINIMUM USE MILEAGE EVALUATION & DETERMINATION WORKSHEET**

**Department:** PUBLIC WORKS

**Division:** HIGHWAYS-LAHAINA

**Position Title(s):** LABORER II AND TWO W/CDL ENDORSMENT, EOIII, EOIV, HC&M SUPERVISOR AND MECHANIC

**Duties:**  
CLEAN STREETS AND PARKING LOTS.

<b>Recommended Vehicle:</b>	INTERNATIONAL	BROOM BEAR	2007	CM 3251	23A	36,495; 10/14/2015
	Make	Model	Year	License #	Asset #	Odometer Reading & Date

**Prepared by (Print):** EUGENE MIKE TIHADA

**Prepared by (Signature):**

**Date:** 3/20/2015

**Approved by Director:**

**Date:**

**Instructions:** This worksheet serves to document mileage driven a given vehicle to help evaluate and determine vehicle utilization on an annualized basis and shall be prepared for every County vehicle.

This worksheet should be completed as accurately as possible with estimates used as necessary. If travel activity is recurring on a monthly basis, one form may be completed and annualized. If travel activity is not recurring and varies from month to month, a worksheet may be prepared to reflect the varying months, then summarized to calculate an annualized estimate. Do not fill shaded spaces; this information will calculate based on your input.

See also the COM Motor Vehicle Policy Section C, County Vehicle Usage and Assignment, Section D, Take Home Vehicles (THV), and Section G, Vehicle Acquisition, Replacement and Disposal.

**Period/Month of Review :** 2015-2016 MONTHLY AVERAGE

	Activity Description	Purpose	From (Address/Location)	To (Address / Location)	Miles	Frequency (# of times per month)	Total Miles Per Mo.	Comments (Indicate if estimated or actual)
1	Street Sweeping	Maintenance	Lahaina Baseyard	Monday	20	4	80	Estimate
2	Street Sweeping	Maintenance	Lahaina Baseyard	Tuesday	20	4	80	Estimate
3	Street Sweeping	Maintenance	Lahaina Baseyard	Wednesday	20	4	80	Estimate
4	Street Sweeping	Maintenance	Lahaina Baseyard	Thursday	20	4	80	Estimate
5	Street Sweeping	Maintenance	Lahaina Baseyard	Friday	20	4	80	Estimate
6							0	
7							0	
8							0	
9							0	
10							0	
11							0	
12							0	
13							0	
14							0	
15							0	
	Month Total						400	
	Annualized						4800	

## **Attachment C**

**COUNTY OF MAUI**

**Acquisition for Replacement of Existing Motor Vehicle  
Request Form**

Department: PUBLIC WORKS Division: HIGHWAYS

Submitted by (Print Name): EUGENE MIKE TIHADA Position Title: DISTRICT SUPERVISOR

Signature:  Date: 10/14/2015

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
(Department Director)

Recommended for Approval: \_\_\_\_\_ Date: \_\_\_\_\_  
(Dept. of Management)

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
(Managing Director)

The vehicle requested for replacement consideration must meet at least two of the following criteria. Identify and explain as necessary which two criteria apply: 3 and 7.

1. Passenger vehicles (sedans, station wagons, vans, light pick up trucks) - 7 years or 100,000 miles;
2. The unit, when operated, endangers the safety of the operator, passengers and/or people that are in close proximity to it, and that the repair costs to address safety issues exceed its replacement acquisition cost;
3. The unit cannot be repaired due to unavailability of parts;
4. The repair cost of a unit damaged by accident or other causes exceeds the actual cash value of the unit prior to the damage;
5. The accumulated MAJOR repair costs plus the anticipated additional repair costs to recondition the unit exceeds 50% of the replacement acquisition cost;
6. The history of annual cost of renting a substitute for a unit that is sidelined for an extended period due to difficulty in obtaining parts exceeds the average annual cost of a new unit; or
7. The unit is obsolete and is no longer suitable for the mode of operations.

**Attachment Q (Page 1 of 2)**

## **Acquisition for Replacement of Existing Motor Vehicle Request Form (Cont.)**

Requests to acquire a new vehicle to replace an existing vehicle shall be evaluated based on the requesting agency's responses to the following. Please provide complete answers to the following to ensure a complete and efficient review of the vehicle request. Additional supporting documentation may be provided if relevant to the request.

1. What is the vehicle year and current mileage reading?

36,494 miles

2. What are the average miles of official annual usage for the past 3 years?

12,100 miles

3. What is the need for the continued use of the vehicle to maintain the present level of service? Describe in detail the function it must perform, including driving routes and miles, and the frequency of performance in a normal routine or cycle of work (which may be daily, weekly, monthly, etc.).

This vehicle is highly needed daily to maintain and clean all county roadways in Lahaina District, which includes Front Street. Front Street highly used by visitors and locals alike, and is the face of Maui's tourist industry.

4. Describe the impact on operations if the vehicle is not replaced.

Current street sweeper constantly in repair and will eventually be none repairable. Without a replacement, will force the district into manual sweeping, which will not be sufficient and may cause costly litigation.

5. Identify opportunities to substitute the vehicle with another without curtailing other essential services. Is there an existing vehicle(s) available in this division, or other divisions within the department that can be also used to accommodate this need? What considerations have been given to consolidating vehicle use?

Sharing sweepers between districts will cause devastating consequences, first both districts will cut production rates in half and wear and tear on vehicle will double due to high traveling mileage.

6. What is the estimated minimum mileage per year that this vehicle will be driven? (Complete the Minimum Mileage Evaluation & Determination Worksheet, see Attachment C)

4,000 miles per year.

7. Prepare a cost benefit analysis. The requesting department should detail the **cost(s)** to acquire (i.e. costs of vehicle and any special equipment) and the **benefit(s)** that will be derived by the County by replacing the existing vehicle. (Benefits should include descriptions of and quantified cost savings to operations, efficiencies gained, etc.).

Cost to replace this vehicle is \$310,000. This replacement will provide the ability to keep the districts roadways clean and safe, preventing costly litigations.

### **Attachment Q (Page 2 of 2)**

# Aebi Slope Mower

These funds will be used to purchase an All Terrain Slope Mower. This mower will be used primarily in the District's Flood Control and Flood Diversion facilities. Due to the major destruction and devastation in flood controls here in Hawaii and through out the United States, stricter inspection requirements have been put on all of these systems. To comply with these inspections, we need to mow slopes of these facilities horizontally versus vertically. With a 2 to 1 slope the current mowers are not capable of safely operating horizontally. If we continue cutting vertically, we will continue causing increased possibilities of erosion and runoffs weakening the protective capabilities of the system. The jeopardy of life and property affected by the inundation of a breached facility will be costly and devastating. No price can be put on the loss of life. Estimated cost with trailer \$200,000.





## Equipment Expansion Budget Request

Complete appropriate yellow boxes throughout. Please provide a separate schedule per expansion request.

Section 5  
Attachment 5-3

1 Priority No.:  of  Strategic Alignment:

2 Program:  Department:  Division:

3 Fund:  Sub-Fund:  Other:

## 4 Equipment Expenditures

Index Code	Subobj Code	Subobj Code Description	New or Replacement	Age	Mileage	Estimated Use Life	Description of Equipment/Vehicle	Quantity	Price Per Unit	FY 2017 Department Proposed
	7044	Other Equipment	New			15 years	Slope Mower	1	\$200,000	\$200,000

## 5 Justification

## Purpose of Expansion request:

This request is to purchase a Slope Mower that will be beneficial to the Lahaina District and the County of Maui. The Lahaina District maintains 9 Flood Control/Sediment control facilities, which maintenance of vegetation plays a key role in keeping these facilities manageable and safe.

## Anticipated outcome/Impact after Implementation of changes:

Current Federal and State inspections of these facilities require the dam owners to cut vegetation on slopes horizontally and not vertical. Current mowers in the district can only cut vertical, causing ruts. These ruts eventually lessens the structural integrity of these facilities. With this anticipated slope mower, the district will finally be able to meet its maintenance responsibilities in a timely manner and avoid costly litigations.

## Relation to department/agency goals and key department/agency indicators:

The department is given the responsibility to manage and maintain several flood/sediment control facilities, which is required to ensure the safe and functional performance of government facilities.

## 6 Relation to Countywide Outcomes

What is the relevance of the request to the Countywide Outcomes? Select the applicable Countywide Priorities by placing an "X" mark.

<input checked="" type="checkbox"/>	An Efficient, Effective and Responsive Government
<input checked="" type="checkbox"/>	A Strong Diversified Economy
<input checked="" type="checkbox"/>	Suitable Public Infrastructure

<input checked="" type="checkbox"/>	A Prepared, Safe and Livable County
<input checked="" type="checkbox"/>	A Healthy and Sustainable Community

Other

7 Are statutory changes or special provisions required to implement expansion?

Yes

No

8 If YES, attach a copy of the draft legislation.

Relationship to capital improvement projects

9 Does this expansion request related to a capital improvement project?

Yes

No

10 If YES, give title of CIP:

11 CIP Index Code:

Fund:

Projected completion date:

COUNTY OF MAUI

**Acquisition for Replacement of Existing Motor Vehicle  
Request Form**

Department: Public Works Division: Development Services Administration

Submitted by (Print Name): <sup>for</sup> Glen Ueno Position Title: Development Services Administrator

Signature: 

Date: 9/29/15

Approved by:   
(Department Director)

Date: SEP 29 2015

Recommended for Approval:   
(Dept. of Management)

Date: 10-1-15

Approved by:   
(Managing Director)

Date: 10/2/15

The vehicle requested for replacement consideration must meet at least two of the following criteria. Identify and explain as necessary which two criteria apply: 1 and 7.

1. Passenger vehicles (sedans, station wagons, vans, light pick up trucks) - 7 years or 100,000 miles;

**The vehicle to be replaced is a 2000 Ford Explorer (#1122, license CM1854), is 15 years old, and has 117,700 miles on the odometer (as of September, 2015).**

2. The unit, when operated, endangers the safety of the operator, passengers and/or people that are in close proximity to it, and that the repair costs to address safety issues exceed its replacement acquisition cost;
3. The unit cannot be repaired due to unavailability of parts;
4. The repair cost of a unit damaged by accident or other causes exceeds the actual cash value of the unit prior to the damage;
5. The accumulated MAJOR repair costs plus the anticipated additional repair costs to recondition the unit exceeds 50% of the replacement acquisition cost;

**Attachment Q (Page 1 of 5)**

### **Acquisition for Replacement of Existing Motor Vehicle Request Form (Cont.)**

6. The history of annual cost of renting a substitute for a unit that is sidelined for an extended period due to difficulty in obtaining parts exceeds the average annual cost of a new unit; or
7. The unit is obsolete and is no longer suitable for the mode of operations.

**The vehicle is 15 years old now and has over 117,700 miles on the odometer. This vehicle may be driven by lone inspectors to far off and isolated places where phone reception and access to emergency services may be limited. It is essential that inspectors be provided with a safe and reliable vehicle. The vehicle is beginning to show its age. Electrical problems make it difficult to move the driver's side window up and down, and the driver's seat adjustment no longer works. Parts to repair the seat adjustment are no longer available. The transmission is slipping. Rust holes in the roof have needed repair to prevent leaks into the interior. More rust is showing on the step bar. The driver's side seat has a tear. The existing vehicle also does not have all of the latest safety technology developed over the past 15 years. Vehicle safety should be made a priority for inspectors who spend much of their time on the road.**

Requests to acquire a new vehicle to replace an existing vehicle shall be evaluated based on the requesting agency's responses to the following. Please provide complete answers to the following to ensure a complete and efficient review of the vehicle request. Additional supporting documentation may be provided if relevant to the request.

**1. What is the vehicle year and current mileage reading?**

The vehicle is a 2000 Ford Explorer. The mileage as of 9/15 is 117,700 miles.

**2. What are the average miles of official annual usage for the past 3 years?**

Average annual usage for the past 3 years is approximately 4,100 miles.

**3. What is the need for the continued use of the vehicle to maintain the present level of service? Describe in detail the function it must perform, including driving routes and miles, and the frequency of performance in a normal routine or cycle of work (which may be daily, weekly, monthly, etc.).**

The vehicle is used as the sole means of transportation for field inspectors on the island of Lanai. This vehicle is shared by multiple inspectors to conduct inspections for building, plumbing, electrical, driveway, roadway, and subdivision permits. The vehicle

**Attachment Q (Page 2 of 5)**



## **Acquisition for Replacement of Existing Motor Vehicle Request Form (Cont.)**

is used to visit sites throughout Lanai and is driven approximately 20 miles per day. Inspections are conducted on Lanai approximately twice per week. The vehicle is also used by other departments when conducting business on Lanai. Given that this is the only vehicle available to DSA on Lanai, it is very important to have a reliable vehicle in service.

### **4. Describe the impact on operations if the vehicle is not replaced.**

The vehicle is now 15 years old. Repair costs and vehicle downtime will continue to rise. When the vehicle is unavailable, inspectors will not be able to conduct inspections on the island of Lanai, and construction work will be seriously impacted and delayed.

### **5. Identify opportunities to substitute the vehicle with another without curtailing other essential services. Is there an existing vehicle(s) available in this division, or other divisions within the department that can be also used to accommodate this need? What considerations have been given to consolidating vehicle use?**

The Department of Public Works has evaluated its fleet to identify opportunities to substitute vehicles.

The Highways Division identified the following vehicles:

- Former Police Cruiser – This vehicle is not in good condition and does not have 4 wheel drive. It would not be an appropriate replacement vehicle for an inspector.
- Ford Focus – This vehicle is in good condition, however, it does not have 4 wheel drive. It would not be an appropriate replacement vehicle for an inspector.

The Engineering Division does not have any available vehicles to transfer.

DSA does not have vehicles that can be substituted with this vehicle. However, DSA has determined that its fleet can be reduced by 2 vehicles.

- Vehicle #1205, license CM1987, 2004 Chevy Blazer – This vehicle is currently used by the DSA Kahului office staff for routine tasks. This vehicle is also used as a back-up vehicle when other inspector vehicles are out of service. Although the mileage is not high on this vehicle (68,900 miles), it is in poor condition and is not suitable as a permanent replacement for an inspector. This vehicle will not be replaced and will be retired when its usable life expires.

## **Attachment Q (Page 3 of 5)**

### **Acquisition for Replacement of Existing Motor Vehicle Request Form (Cont.)**

- Vehicle #1159, license CM1912, 2003 Ford Explorer – This vehicle is currently used by the Plumbing Section to conduct plumbing inspections. The vehicle currently has 91,300 miles on the odometer (as of 9/15). This vehicle is in fair condition and will continue to be used for plumbing inspections. This vehicle will not be replaced and will be retired when its usable life expires.

**6. What is the estimated minimum mileage per year that this vehicle will be driven? (Complete the Minimum Mileage Evaluation & Determination Worksheet, see Attachment C.)**

Form attached.

**7. Prepare a cost benefit analysis. The requesting department should detail the cost(s) to acquire (i.e. costs of vehicle and any special equipment) and the benefit(s) that will be derived by the County by replacing the existing vehicle. (Benefits should include descriptions of and quantified cost savings to operations, efficiencies gained, etc.).**

Statements based on assumption that replacement vehicle is a 2015 Ford Escape with 4 wheel drive.

**COSTS** - The cost of replacement vehicle is approximately \$29,000. The existing vehicle has a trade in value of approximately \$1,000. The net cost is approximately \$28,000.

**BENEFITS** – The replacement vehicle gets gas mileage of 22 mpg city / 30 mpg hwy. A 2000 Ford Explorer gets gas mileage of approximately 14 mpg city / 19 mph hwy. The replacement vehicle could increase gas mileage by approximately 10 mpg. Assuming the inspector drives approximately 10,000 miles per year, and gas prices remain around \$3.50 per gallon, gas savings would total approximately \$900 per year.

The vehicle is beginning to show its age with body/paint/interior deterioration and mechanical issues. Repair costs are expected to increase over the next 3 years. The new vehicle has a 3 year/36,000 mile bumper to bumper warranty and a 5 year / 60,000 mile powertrain warranty. Normal repair costs over the next 3 years should be minimal.

The new vehicle will provide a safer work environment for the inspector due to improved safety features which have become standard over the past decade, including dual front, side and curtain airbags, anti-lock brakes, stability control, and traction control. The

### **Attachment Q (Page 4 of 5)**

**Acquisition for Replacement of Existing Motor Vehicle Request Form (Cont.)**

vehicle has earned Top Safety Pick status from the Insurance Institute for Highway Safety.

The new vehicle will provide the reliability necessary when inspections are conducted in remote parts of the island.

A 4 wheel drive vehicle is required for inspectors on a daily basis because it is not possible to anticipate site and weather conditions until an inspector is actually on-site. Most construction sites remain as unpaved dirt areas when inspections are conducted. Also, many lots on Maui are served by unpaved dirt roads. Inspections are often called in at the last minute or even forwarded while an inspector is in the field. Each inspector is assigned a separate district on Maui. It would not be possible to try and schedule inspections based on 2 wheel drive vs. 4 wheel drive vehicles. Sending an inspector to remote parts of the island with unknown road, site, and weather conditions without a 4 wheel drive vehicle would be hazardous to the inspector and vehicle and would hinder the inspection services provided.

**Attachment Q (Page 5 of 5)**



# MINIMUM USE MILEAGE EVALUATION & DETERMINATION WORKSHEET

Department: Public Works

Division: Development Services Administration

Position Title(s): DSA Shared Lanai Vehicle

Duties: This vehicle is used by DSA staff on Lanai to attend meetings, visit other offices, conduct site inspections, investigate complaints, and conduct various office tasks.

Recommended Vehicle:	Ford	Explorer	2000	CM1854	1122	115,715; 12/31/14
	Make	Model	Year	License #	Asset #	Odometer Reading & Date

Prepared by (Print): Lance Nakamura

Prepared by (Signature): *Lance Nakamura*

Date: 12/31/14

Approved by Director: *[Signature]*

Date: JAN 09 2015

Instructions: This worksheet serves to document mileage driven a given vehicle to help evaluate and determine vehicle utilization on an annualized basis and shall be prepared for every County vehicle.

This worksheet should be completed as accurately as possible with estimates used as necessary. If travel activity is recurring on a monthly basis, one form may be completed and annualized. If travel activity is not recurring and varies from month to month, a worksheet may be prepared to reflect the varying months, then summarized to calculate an annualized estimate. Do not fill shaded spaces; this information will calculate based on your input.

See also the COM Motor Vehicle Policy Section C, County Vehicle Usage and Assignment, Section D, Take Home Vehicles (THV), and Section G, Vehicle Acquisition, Replacement and Disposal.

Period/Month of Review : January 1, 2014 - December 31, 2014

	Activity Description	Purpose	From (Address/Location)	To (Address / Location)	Miles	Frequency (# of times per month)	Total Miles Per Mo.	Comments (Indicate if estimated or actual)
1	Inspections	Inspections	Lanai Harbor	Entire Island	20	8	160	Actual
2							0	
3							0	
4							0	
5							0	
6							0	
7							0	
8							0	
9							0	
10							0	
11							0	
12							0	
13							0	
14							0	
15							0	
Month Total							160	Actual
Annualized							1,920	Actual

## Attachment C



COUNTY OF MAUI

**Acquisition for Replacement of Existing Motor Vehicle  
Request Form**

Department: Public Works Division: Development Services Administration

Submitted by (Print Name): <sup>for</sup> Glen Ueno Position Title: Development Services Administrator

Signature:  Date: 9/29/15

Approved by:  Date: SEP 29 2015  
(Department Director)

Recommended for Approval:  Date: 10-1-15  
(Dept. of Management)

Approved by:  Date: 10/2/15  
(Managing Director)

The vehicle requested for replacement consideration must meet at least two of the following criteria. Identify and explain as necessary which two criteria apply: 1 and 7.

1. Passenger vehicles (sedans, station wagons, vans, light pick up trucks) - 7 years or 100,000 miles;

The vehicle to be replaced is a 2004 Chevy Blazer (Building Inspection Section, #1250, license CM2053), is 11 years old, and has 104,800 miles on the odometer (as of 9/15).

2. The unit, when operated, endangers the safety of the operator, passengers and/or people that are in close proximity to it, and that the repair costs to address safety issues exceed its replacement acquisition cost;
3. The unit cannot be repaired due to unavailability of parts;
4. The repair cost of a unit damaged by accident or other causes exceeds the actual cash value of the unit prior to the damage;
5. The accumulated MAJOR repair costs plus the anticipated additional repair costs to recondition the unit exceeds 50% of the replacement acquisition cost;

**Attachment Q (Page 1 of 5)**

### **Acquisition for Replacement of Existing Motor Vehicle Request Form (Cont.)**

6. The history of annual cost of renting a substitute for a unit that is sidelined for an extended period due to difficulty in obtaining parts exceeds the average annual cost of a new unit; or
7. The unit is obsolete and is no longer suitable for the mode of operations.

**The vehicle is 11 years old now and has over 104,800 miles on the odometer. This vehicle is driven by a lone inspector to far off and isolated places on the island where phone reception and access to emergency services may be limited. It is essential that this inspector be provided with a safe and reliable vehicle. The vehicle is beginning to show its age with significant rust damage that causes leaks into the cab of the car. The interior is deteriorating and there are other mechanical issues such as brake problems. The existing vehicle also does not have all of the latest safety technology developed over the past 11 years. Vehicle safety should be made a priority due to the high mileage driven by this inspector.**

Requests to acquire a new vehicle to replace an existing vehicle shall be evaluated based on the requesting agency's responses to the following. Please provide complete answers to the following to ensure a complete and efficient review of the vehicle request. Additional supporting documentation may be provided if relevant to the request.

**1. What is the vehicle year and current mileage reading?**

The vehicle is a 2004 Chevy Blazer. The mileage as of 9/15 is 104,800 miles.

**2. What are the average miles of official annual usage for the past 3 years?**

The average annual usage for this vehicle is 5,700 miles.

**3. What is the need for the continued use of the vehicle to maintain the present level of service? Describe in detail the function it must perform, including driving routes and miles, and the frequency of performance in a normal routine or cycle of work (which may be daily, weekly, monthly, etc.).**

The vehicle is used as the sole means of transportation for a field inspector. A replacement vehicle is required so that the employee can continue to conduct building inspections and investigations. The vehicle is used throughout Maui and travels approximately 15 miles per day on a regular basis.

### **Attachment Q (Page 2 of 5)**

## **Acquisition for Replacement of Existing Motor Vehicle Request Form (Cont.)**

### **4. Describe the impact on operations if the vehicle is not replaced.**

The vehicle is 11 years old now. Repair costs and vehicle downtime will continue to rise. When the vehicle is unavailable, the inspector will not be able to perform required duties.

### **5. Identify opportunities to substitute the vehicle with another without curtailing other essential services. Is there an existing vehicle(s) available in this division, or other divisions within the department that can be also used to accommodate this need? What considerations have been given to consolidating vehicle use?**

The Department of Public Works has evaluated its fleet to identify opportunities to substitute vehicles.

The Highways Division identified the following vehicles:

- Former Police Cruiser – This vehicle is not in good condition and does not have 4 wheel drive. It would not be an appropriate replacement vehicle for an inspector.
- Ford Focus – This vehicle is in good condition, however, it does not have 4 wheel drive. It would not be an appropriate replacement vehicle for an inspector.

The Engineering Division does not have any available vehicles to transfer.

DSA does not have vehicles that can be substituted with this vehicle. However, DSA has determined that its fleet can be reduced by 2 vehicles.

- Vehicle #1205, license CM1987, 2004 Chevy Blazer – This vehicle is currently used by the DSA Kahului office staff for routine tasks. This vehicle is also used as a back-up vehicle when other inspector vehicles are out of service. Although the mileage is not high on this vehicle (68,900 miles), it is in poor condition and is not suitable as a permanent replacement for an inspector. This vehicle will not be replaced and will be retired when its usable life expires.
- Vehicle #1159, license CM1912, 2003 Ford Explorer – This vehicle is currently used by the Plumbing Section to conduct plumbing inspections. The vehicle currently has 91,300 miles on the odometer (as of 9/15). This vehicle is in fair condition and will continue to be used for plumbing inspections. This vehicle will not be replaced and will be retired when its usable life expires.

## **Attachment Q (Page 3 of 5)**

## **Acquisition for Replacement of Existing Motor Vehicle Request Form (Cont.)**

6. What is the estimated minimum mileage per year that this vehicle will be driven? (Complete the Minimum Mileage Evaluation & Determination Worksheet, see Attachment C.)

Form attached.

7. Prepare a cost benefit analysis. The requesting department should detail the cost(s) to acquire (i.e. costs of vehicle and any special equipment) and the benefit(s) that will be derived by the County by replacing the existing vehicle. (Benefits should include descriptions of and quantified cost savings to operations, efficiencies gained, etc.).

Statements based on assumption that replacement vehicle is a 2015 Ford Escape with 4 wheel drive.

**COSTS** - The cost of replacement vehicle is approximately \$29,000. The existing vehicle has a trade in value of approximately \$1,000. The net cost is approximately \$28,000.

**BENEFITS** – The replacement vehicle gets gas mileage of 22 mpg city / 30 mpg hwy. A 2004 Chevy Blazer gets gas mileage of approximately 14 mpg city / 19 mph hwy. The replacement vehicle could increase gas mileage by approximately 10 mpg. Assuming the inspector drives approximately 10,000 miles per year, and gas prices remain around \$3.50 per gallon, gas savings would total approximately \$900 per year.

The vehicle is beginning to show its age with body/paint/interior deterioration and mechanical issues. Repair costs are expected to increase over the next 3 years. The new vehicle has a 3 year/36,000 mile bumper to bumper warranty and a 5 year / 60,000 mile powertrain warranty. Normal repair costs over the next 3 years should be minimal.

The new vehicle will provide a safer work environment for the inspector due to improved safety features which have become standard over the past decade, including dual front, side and curtain airbags, anti-lock brakes, stability control, and traction control. The vehicle has earned Top Safety Pick status from the Insurance Institute for Highway Safety.

The new vehicle will provide the reliability necessary when inspections are conducted in remote parts of the island.

### **Attachment Q (Page 4 of 5)**



### **Acquisition for Replacement of Existing Motor Vehicle Request Form (Cont.)**

A 4 wheel drive vehicle is required for inspectors on a daily basis because it is not possible to anticipate site and weather conditions until an inspector is actually on-site. Most construction sites remain as unpaved dirt areas when inspections are conducted. Also, many lots on Maui are served by unpaved dirt roads. Inspections are often called in at the last minute or even forwarded while an inspector is in the field. Each inspector is assigned a separate district on Maui. It would not be possible to try and schedule inspections based on 2 wheel drive vs. 4 wheel drive vehicles. Sending an inspector to remote parts of the island with unknown road, site, and weather conditions without a 4 wheel drive vehicle would be hazardous to the inspector and vehicle and would hinder the inspection services provided.

### **Attachment Q (Page 5 of 5)**



### MINIMUM USE MILEAGE EVALUATION & DETERMINATION WORKSHEET

Department: Public Works

Division: Development Services Administration

Position Title(s): Building Inspector II

Duties:  
This vehicle is used on a daily basis to conduct field inspections for building permits and to investigate public complaints.

Recommended Vehicle:	Make	Model	Year	License #	Asset #	Odometer Reading & Date
	Chvy	Blazer	2004	CM2053	1250	104,548; 12/31/14

Prepared by (Print): Lance Nakamura

Prepared by (Signature): *Lance Nakamura*

Date: 12/31/14

Approved by Director: *[Signature]*

Date: JAN 09 2015

Instructions: This worksheet serves to document mileage driven a given vehicle to help evaluate and determine vehicle utilization on an annualized basis and shall be prepared for every County vehicle.

This worksheet should be completed as accurately as possible with estimates used as necessary. If travel activity is recurring on a monthly basis, one form may be completed and annualized. If travel activity is not recurring and varies from month to month, a worksheet may be prepared to reflect the varying months, then summarized to calculate an annualized estimate. Do not fill shaded spaces; this information will calculate based on your input.

See also the COM Motor Vehicle Policy Section C, County Vehicle Usage and Assignment, Section D, Take Home Vehicles (THV), and Section G, Vehicle Acquisition, Replacement and Disposal.

Period/Month of Review : January 1, 2014 - December 31, 2014

	Activity Description	Purpose	From (Address/Location)	To (Address / Location)	Miles	Frequency (# of times per month)	Total Miles Per Mo.	Comments (Indicate if estimated or actual)
1	Inspections	Inspections	Kahului Office	Entire Island	15	22	330	Actual
2							0	
3							0	
4							0	
5							0	
6							0	
7							0	
8							0	
9							0	
10							0	
11							0	
12							0	
13							0	
14							0	
15							0	
Month Total							330	Actual
Annualized							3,960	Actual

### Attachment C

COUNTY OF MAUI

**Acquisition for Replacement of Existing Motor Vehicle  
Request Form**

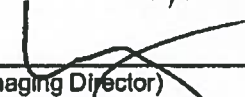
Department: Public Works Division: Development Services Administration

Submitted by (Print Name): <sup>for</sup> Glen Ueno Position Title: Development Services Administrator

Signature:  Date: 9/29/15

Approved by:  Date: SEP 29 2015  
(Department Director)

Recommended for Approval:  Date: 10-1-15  
(Dept. of Management)

Approved by:  Date: 10/2/15  
(Managing Director)

The vehicle requested for replacement consideration must meet at least two of the following criteria. Identify and explain as necessary which two criteria apply: 1 and 7.

1. Passenger vehicles (sedans, station wagons, vans, light pick up trucks) - 7 years or 100,000 miles;

The vehicle to be replaced is a 2004 Chevy Blazer (Building Inspection Section, #1250, license CM2053), is 11 years old, and has 104,800 miles on the odometer (as of 9/15).

2. The unit, when operated, endangers the safety of the operator, passengers and/or people that are in close proximity to it, and that the repair costs to address safety issues exceed its replacement acquisition cost;
3. The unit cannot be repaired due to unavailability of parts;
4. The repair cost of a unit damaged by accident or other causes exceeds the actual cash value of the unit prior to the damage;
5. The accumulated MAJOR repair costs plus the anticipated additional repair costs to recondition the unit exceeds 50% of the replacement acquisition cost;

**Attachment Q (Page 1 of 5)**

### **Acquisition for Replacement of Existing Motor Vehicle Request Form (Cont.)**

6. The history of annual cost of renting a substitute for a unit that is sidelined for an extended period due to difficulty in obtaining parts exceeds the average annual cost of a new unit; or
7. The unit is obsolete and is no longer suitable for the mode of operations.

**The vehicle is 11 years old now and has over 104,800 miles on the odometer. This vehicle is driven by a lone inspector to far off and isolated places on the island where phone reception and access to emergency services may be limited. It is essential that this inspector be provided with a safe and reliable vehicle. The vehicle is beginning to show its age with significant rust damage that causes leaks into the cab of the car. The interior is deteriorating and there are other mechanical issues such as brake problems. The existing vehicle also does not have all of the latest safety technology developed over the past 11 years. Vehicle safety should be made a priority due to the high mileage driven by this inspector.**

Requests to acquire a new vehicle to replace an existing vehicle shall be evaluated based on the requesting agency's responses to the following. Please provide complete answers to the following to ensure a complete and efficient review of the vehicle request. Additional supporting documentation may be provided if relevant to the request.

**1. What is the vehicle year and current mileage reading?**

The vehicle is a 2004 Chevy Blazer. The mileage as of 9/15 is 104,800 miles.

**2. What are the average miles of official annual usage for the past 3 years?**

The average annual usage for this vehicle is 5,700 miles.

**3. What is the need for the continued use of the vehicle to maintain the present level of service? Describe in detail the function it must perform, including driving routes and miles, and the frequency of performance in a normal routine or cycle of work (which may be daily, weekly, monthly, etc.).**

The vehicle is used as the sole means of transportation for a field inspector. A replacement vehicle is required so that the employee can continue to conduct building inspections and investigations. The vehicle is used throughout Maui and travels approximately 15 miles per day on a regular basis.

### **Attachment Q (Page 2 of 5)**



## **Acquisition for Replacement of Existing Motor Vehicle Request Form (Cont.)**

### **4. Describe the impact on operations if the vehicle is not replaced.**

The vehicle is 11 years old now. Repair costs and vehicle downtime will continue to rise. When the vehicle is unavailable, the inspector will not be able to perform required duties.

### **5. Identify opportunities to substitute the vehicle with another without curtailing other essential services. Is there an existing vehicle(s) available in this division, or other divisions within the department that can be also used to accommodate this need? What considerations have been given to consolidating vehicle use?**

The Department of Public Works has evaluated its fleet to identify opportunities to substitute vehicles.

The Highways Division identified the following vehicles:

- Former Police Cruiser – This vehicle is not in good condition and does not have 4 wheel drive. It would not be an appropriate replacement vehicle for an inspector.
- Ford Focus – This vehicle is in good condition, however, it does not have 4 wheel drive. It would not be an appropriate replacement vehicle for an inspector.

The Engineering Division does not have any available vehicles to transfer.

DSA does not have vehicles that can be substituted with this vehicle. However, DSA has determined that its fleet can be reduced by 2 vehicles.

- Vehicle #1205, license CM1987, 2004 Chevy Blazer – This vehicle is currently used by the DSA Kahului office staff for routine tasks. This vehicle is also used as a back-up vehicle when other inspector vehicles are out of service. Although the mileage is not high on this vehicle (68,900 miles), it is in poor condition and is not suitable as a permanent replacement for an inspector. This vehicle will not be replaced and will be retired when its usable life expires.
- Vehicle #1159, license CM1912, 2003 Ford Explorer – This vehicle is currently used by the Plumbing Section to conduct plumbing inspections. The vehicle currently has 91,300 miles on the odometer (as of 9/15). This vehicle is in fair condition and will continue to be used for plumbing inspections. This vehicle will not be replaced and will be retired when its usable life expires.

## **Attachment Q (Page 3 of 5)**

## **Acquisition for Replacement of Existing Motor Vehicle Request Form (Cont.)**

6. What is the estimated minimum mileage per year that this vehicle will be driven? (Complete the Minimum Mileage Evaluation & Determination Worksheet, see Attachment C.)

Form attached.

7. Prepare a cost benefit analysis. The requesting department should detail the cost(s) to acquire (i.e. costs of vehicle and any special equipment) and the benefit(s) that will be derived by the County by replacing the existing vehicle. (Benefits should include descriptions of and quantified cost savings to operations, efficiencies gained, etc.).

Statements based on assumption that replacement vehicle is a 2015 Ford Escape with 4 wheel drive.

**COSTS** - The cost of replacement vehicle is approximately \$29,000. The existing vehicle has a trade in value of approximately \$1,000. The net cost is approximately \$28,000.

**BENEFITS** – The replacement vehicle gets gas mileage of 22 mpg city / 30 mpg hwy. A 2004 Chevy Blazer gets gas mileage of approximately 14 mpg city / 19 mph hwy. The replacement vehicle could increase gas mileage by approximately 10 mpg. Assuming the Inspector drives approximately 10,000 miles per year, and gas prices remain around \$3.50 per gallon, gas savings would total approximately \$900 per year.

The vehicle is beginning to show its age with body/paint/interior deterioration and mechanical issues. Repair costs are expected to increase over the next 3 years. The new vehicle has a 3 year/36,000 mile bumper to bumper warranty and a 5 year / 60,000 mile powertrain warranty. Normal repair costs over the next 3 years should be minimal.

The new vehicle will provide a safer work environment for the inspector due to improved safety features which have become standard over the past decade, including dual front, side and curtain airbags, anti-lock brakes, stability control, and traction control. The vehicle has earned Top Safety Pick status from the Insurance Institute for Highway Safety.

The new vehicle will provide the reliability necessary when inspections are conducted in remote parts of the island.

### **Attachment Q (Page 4 of 5)**

### **Acquisition for Replacement of Existing Motor Vehicle Request Form (Cont.)**

A 4 wheel drive vehicle is required for inspectors on a daily basis because it is not possible to anticipate site and weather conditions until an inspector is actually on-site. Most construction sites remain as unpaved dirt areas when inspections are conducted. Also, many lots on Maui are served by unpaved dirt roads. Inspections are often called in at the last minute or even forwarded while an inspector is in the field. Each inspector is assigned a separate district on Maui. It would not be possible to try and schedule inspections based on 2 wheel drive vs. 4 wheel drive vehicles. Sending an inspector to remote parts of the island with unknown road, site, and weather conditions without a 4 wheel drive vehicle would be hazardous to the inspector and vehicle and would hinder the inspection services provided.



# MINIMUM USE MILEAGE EVALUATION & DETERMINATION WORKSHEET

Department: Public Works

Division: Development Services Administration

Position Title(s): Building Inspector II

Duties:  
This vehicle is used on a daily basis to conduct field inspections for building permits and to investigate public complaints.

Recommended Vehicle:	Chevy	Blazer	2004	CM2053	1250	104,548; 12/31/14
	Make	Model	Year	License #	Asset #	Odometer Reading & Date

Prepared by (Print): Lance Nakamura

Prepared by (Signature): *Lance Nakamura*

Date: 12/31/14

Approved by Director: *[Signature]*

Date: JAN 09 2015

Instructions: This worksheet serves to document mileage driven a given vehicle to help evaluate and determine vehicle utilization on an annualized basis and shall be prepared for every County vehicle.

This worksheet should be completed as accurately as possible with estimates used as necessary. If travel activity is recurring on a monthly basis, one form may be completed and annualized. If travel activity is not recurring and varies from month to month, a worksheet may be prepared to reflect the varying months, then summarized to calculate an annualized estimate. Do not fill shaded spaces; this information will calculate based on your input.

See also the COM Motor Vehicle Policy Section C, County Vehicle Usage and Assignment, Section D, Take Home Vehicles (THV), and Section G, Vehicle Acquisition, Replacement and Disposal.

Period/Month of Review : January 1, 2014 - December 31, 2014

	Activity Description	Purpose	From (Address/Location)	To (Address / Location)	Miles	Frequency (# of times per month)	Total Miles Per Mo.	Comments (Indicate if estimated or actual)
1	Inspections	Inspections	Kahului Office	Entire Island	15	22	330	Actual
2							0	
3							0	
4							0	
5							0	
6							0	
7							0	
8							0	
9							0	
10							0	
11							0	
12							0	
13							0	
14							0	
15							0	
Month Total							330	Actual
Annualized							3,960	Actual

## Attachment C



COUNTY OF MAUI

**Acquisition for Replacement of Existing Motor Vehicle  
Request Form**

Department: Public Works Division: Development Services Administration

Submitted by (Print Name): Br Glen Ueno Position Title: Development Services Administrator

Signature:  Date: 9/29/15

Approved by:  Date: SEP 29 2015  
(Department Director)

Recommended for Approval:  Date: 10-1-15  
(Dept. of Management)

Approved by:  Date: 10/2/15  
(Managing Director)

The vehicle requested for replacement consideration must meet at least two of the following criteria. Identify and explain as necessary which two criteria apply: 1 and 7.

1. Passenger vehicles (sedans, station wagons, vans, light pick up trucks) - 7 years or 100,000 miles;

The vehicle to be replaced is a 2006 Ford Escape (Electrical Inspection Section, #1286, license CM2110), is 9 years old, and has 113,000 miles on the odometer (as of 9/15).

2. The unit, when operated, endangers the safety of the operator, passengers and/or people that are in close proximity to it, and that the repair costs to address safety issues exceed its replacement acquisition cost;
3. The unit cannot be repaired due to unavailability of parts;
4. The repair cost of a unit damaged by accident or other causes exceeds the actual cash value of the unit prior to the damage;
5. The accumulated MAJOR repair costs plus the anticipated additional repair costs to recondition the unit exceeds 50% of the replacement acquisition cost;

**Attachment Q (Page 1 of 5)**

### **Acquisition for Replacement of Existing Motor Vehicle Request Form (Cont.)**

6. The history of annual cost of renting a substitute for a unit that is sidelined for an extended period due to difficulty in obtaining parts exceeds the average annual cost of a new unit; or
7. The unit is obsolete and is no longer suitable for the mode of operations.

**The vehicle is 9 years old now and has over 113,000 miles on the odometer. This vehicle is driven by a lone Inspector to far off and isolated places on the island where phone reception and access to emergency services may be limited. It is essential that this Inspector be provided with a safe and reliable vehicle. The vehicle is beginning to show its age with engine issues, brake problems, electrical issues, and interior deterioration. The existing vehicle also does not have all of the latest safety technology developed over the past 9 years. Vehicle safety should be made a priority due to the high mileage driven by this Inspector.**

Requests to acquire a new vehicle to replace an existing vehicle shall be evaluated based on the requesting agency's responses to the following. Please provide complete answers to the following to ensure a complete and efficient review of the vehicle request. Additional supporting documentation may be provided if relevant to the request.

**1. What is the vehicle year and current mileage reading?**

The vehicle is a 2006 Ford Escape. The mileage as of 9/15 is 113,000 miles.

**2. What are the average miles of official annual usage for the past 3 years?**

The average annual usage for this vehicle is 10,800 miles.

**3. What is the need for the continued use of the vehicle to maintain the present level of service? Describe in detail the function it must perform, including driving routes and miles, and the frequency of performance in a normal routine or cycle of work (which may be daily, weekly, monthly, etc.).**

The vehicle is used as the sole means of transportation for a field inspector. A replacement vehicle is required so that the employee can continue to conduct electrical inspections and investigations. The vehicle is used throughout Maui and travels approximately 46 miles per day on a regular basis.

### **Attachment Q (Page 2 of 5)**

## **Acquisition for Replacement of Existing Motor Vehicle Request Form (Cont.)**

### **4. Describe the impact on operations if the vehicle is not replaced.**

The vehicle is 9 years old now and mileage is high. Repair costs and vehicle downtime will continue to rise. When the vehicle is unavailable, the inspector will not be able to perform required duties.

### **5. Identify opportunities to substitute the vehicle with another without curtailing other essential services. Is there an existing vehicle(s) available in this division, or other divisions within the department that can be also used to accommodate this need? What considerations have been given to consolidating vehicle use?**

The Department of Public Works has evaluated its fleet to identify opportunities to substitute vehicles.

The Highways Division identified the following vehicles:

- Former Police Cruiser – This vehicle is not in good condition and does not have 4 wheel drive. It would not be an appropriate replacement vehicle for an inspector.
- Ford Focus – This vehicle is in good condition, however, it does not have 4 wheel drive. It would not be an appropriate replacement vehicle for an inspector.

The Engineering Division does not have any available vehicles to transfer.

DSA does not have vehicles that can be substituted with this vehicle. However, DSA has determined that its fleet can be reduced by 2 vehicles.

- Vehicle #1205, license CM1987, 2004 Chevy Blazer – This vehicle is currently used by the DSA Kahului office staff for routine tasks. This vehicle is also used as a back-up vehicle when other inspector vehicles are out of service. Although the mileage is not high on this vehicle (68,900 miles), it is in poor condition and is not suitable as a permanent replacement for an inspector. This vehicle will not be replaced and will be retired when its usable life expires.
- Vehicle #1159, license CM1912, 2003 Ford Explorer – This vehicle is currently used by the Plumbing Section to conduct plumbing inspections. The vehicle currently has 91,300 miles on the odometer (as of 9/15). This vehicle is in fair condition and will continue to be used for plumbing inspections. This vehicle will not be replaced and will be retired when its usable life expires.

## **Attachment Q (Page 3 of 5)**

### **Acquisition for Replacement of Existing Motor Vehicle Request Form (Cont.)**

6. What is the estimated minimum mileage per year that this vehicle will be driven? (Complete the Minimum Mileage Evaluation & Determination Worksheet, see Attachment C.)

Form attached.

7. Prepare a cost benefit analysis. The requesting department should detail the cost(s) to acquire (i.e. costs of vehicle and any special equipment) and the benefit(s) that will be derived by the County by replacing the existing vehicle. (Benefits should include descriptions of and quantified cost savings to operations, efficiencies gained, etc.).

Statements based on assumption that replacement vehicle is a 2015 Ford Escape with 4 wheel drive.

**COSTS** - The cost of replacement vehicle is approximately \$29,000. The existing vehicle has a trade in value of approximately \$2,500. The net cost is approximately \$26,500.

**BENEFITS** – The replacement vehicle gets gas mileage of 22 mpg city / 30 mpg hwy. A 2006 Ford Escape gets gas mileage of approximately 18 mpg city / 22 mph hwy. The replacement vehicle could increase gas mileage by approximately 6 mpg. Assuming the inspector drives approximately 10,000 miles per year, and gas prices remain around \$3.50 per gallon, gas savings would total approximately \$400 per year.

The vehicle is beginning to show its age with interior deterioration and mechanical issues. Repair costs are expected to increase over the next 3 years. The new vehicle has a 3 year/36,000 mile bumper to bumper warranty and a 5 year / 60,000 mile powertrain warranty. Normal repair costs over the next 3 years should be minimal.

The new vehicle will provide a safer work environment for the inspector due to improved safety features which have become standard over the past decade, including dual front, side and curtain airbags, anti-lock brakes, stability control, and traction control. The vehicle has earned Top Safety Pick status from the Insurance Institute for Highway Safety.

The new vehicle will provide the reliability necessary when inspections are conducted in remote parts of the island.

### **Attachment Q (Page 4 of 5)**



### **Acquisition for Replacement of Existing Motor Vehicle Request Form (Cont.)**

A 4 wheel drive vehicle is required for inspectors on a daily basis because it is not possible to anticipate site and weather conditions until an inspector is actually on-site. Most construction sites remain as unpaved dirt areas when inspections are conducted. Also, many lots on Maui are served by unpaved dirt roads. Inspections are often called in at the last minute or even forwarded while an inspector is in the field. Each inspector is assigned a separate district on Maui. It would not be possible to try and schedule inspections based on 2 wheel drive vs. 4 wheel drive vehicles. Sending an inspector to remote parts of the island with unknown road, site, and weather conditions without a 4 wheel drive vehicle would be hazardous to the inspector and vehicle and would hinder the inspection services provided.



# MINIMUM USE MILEAGE EVALUATION & DETERMINATION WORKSHEET

Department: Public Works

Division: Development Services Administration

Position Title(s): Electrical Inspector II

Duties:  
This vehicle is used on a daily basis to conduct field inspections for electrical permits and to investigate public complaints.

Recommended Vehicle:	Make	Model	Year	License #	Asset #	Odometer Reading & Date
	Ford	Escape	2006	CM2110	1286	106,242, 12/31/14

Prepared by (Print): Lance Nakamura

Prepared by (Signature): *Lance Nakamura*

Date: 12/31/14

Approved by Director: *[Signature]*

Date: JAN 09 2015

Instructions: This worksheet serves to document mileage driven a given vehicle to help evaluate and determine vehicle utilization on an annualized basis and shall be prepared for every County vehicle.

This worksheet should be completed as accurately as possible with estimates used as necessary. If travel activity is recurring on a monthly basis, one form may be completed and annualized. If travel activity is not recurring and varies from month to month, a worksheet may be prepared to reflect the varying months, then summarized to calculate an annualized estimate. Do not fill shaded spaces; this information will calculate based on your input.

See also the COM Motor Vehicle Policy Section C, County Vehicle Usage and Assignment, Section D, Take Home Vehicles (THV), and Section G, Vehicle Acquisition, Replacement and Disposal.

Period/Month of Review : January 1, 2014 - December 31, 2014

	Activity Description	Purpose	From (Address/Location)	To (Address / Location)	Miles	Frequency (# of times per month)	Total Miles Per Mo.	Comments (Indicate if estimated or actual)
1	Inspections	Inspections	Kahului Office	Entire Island	46	22	1012	Actual
2							0	
3							0	
4							0	
5							0	
6							0	
7							0	
8							0	
9							0	
10							0	
11							0	
12							0	
13							0	
14							0	
15							0	
Month Total							1012	Actual
Annualized							12,144	Actual

## Attachment C

## VEHICLE INFORMATION

DEPARTMENT:	PUBLIC WORKS
DIVISION:	DEVELOPMENT SERVICES ADMINISTRATION
VEHICLE NO.:	1122
VEHICLE LICENSE NO.:	CM2854
YEAR/MAKE/MODEL:	2000 FORD EXPLORER
MILEAGE:	119,438
TODAY'S DATE:	4/6/16
PHOTO DATE:	4/5/16
LOCATION:	DSA, LANAI INSPECTIONS









## VEHICLE INFORMATION

DEPARTMENT: PUBLIC WORKS  
DIVISION: DEVELOPMENT SERVICES ADMINISTRATION  
VEHICLE NO.: 1201  
VEHICLE LICENSE NO.: CM1970  
YEAR/MAKE/MODEL: 2004 CHEVY BLAZER  
MILEAGE: 91,970  
TODAY'S DATE: 4/6/16  
PHOTO DATE: 4/5/16  
LOCATION: DSA, KAHULUI OFFICE, ELECTRICAL INSPECTIONS











## VEHICLE INFORMATION

DEPARTMENT: PUBLIC WORKS  
DIVISION: DEVELOPMENT SERVICES ADMINISTRATION  
VEHICLE NO.: 1250  
VEHICLE LICENSE NO.: CM2053  
YEAR/MAKE/MODEL: 2004 CHEVY BLAZER  
MILEAGE: 105,552  
TODAY'S DATE: 4/6/16  
PHOTO DATE: 4/6/16  
LOCATION: DSA, KAHULUI OFFICE, BUILDING INSPECTIONS













## VEHICLE INFORMATION

DEPARTMENT:	PUBLIC WORKS
DIVISION:	DEVELOPMENT SERVICES ADMINISTRATION
VEHICLE NO.:	1286
VEHICLE LICENSE NO.:	CM2110
YEAR/MAKE/MODEL:	2006 FORD ESCAPE
MILEAGE:	116,983
TODAY'S DATE:	4/6/16
PHOTO DATE:	4/4/16
LOCATION:	DSA, KAHULUI OFFICE, ELECTRICAL INSPECTIONS





