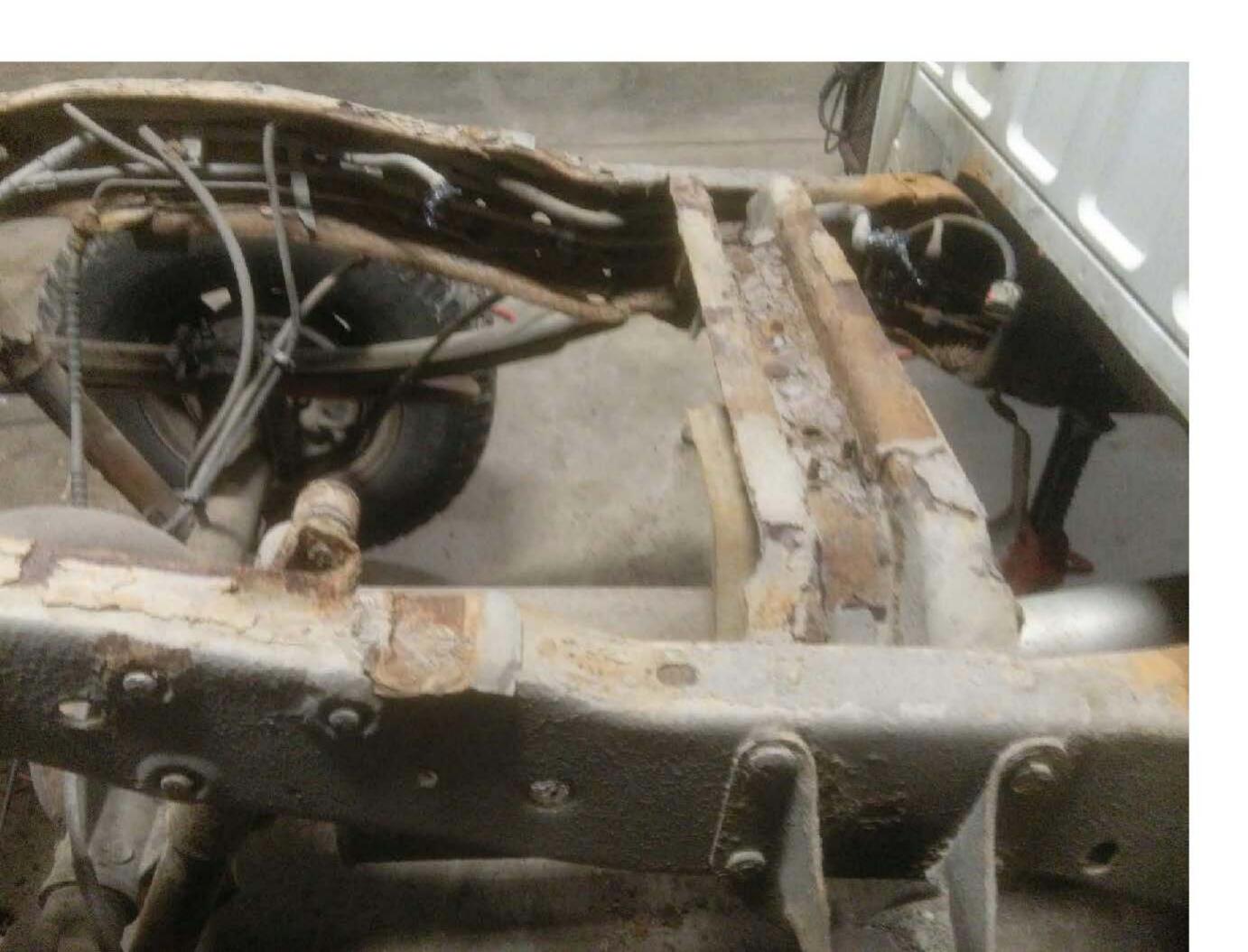
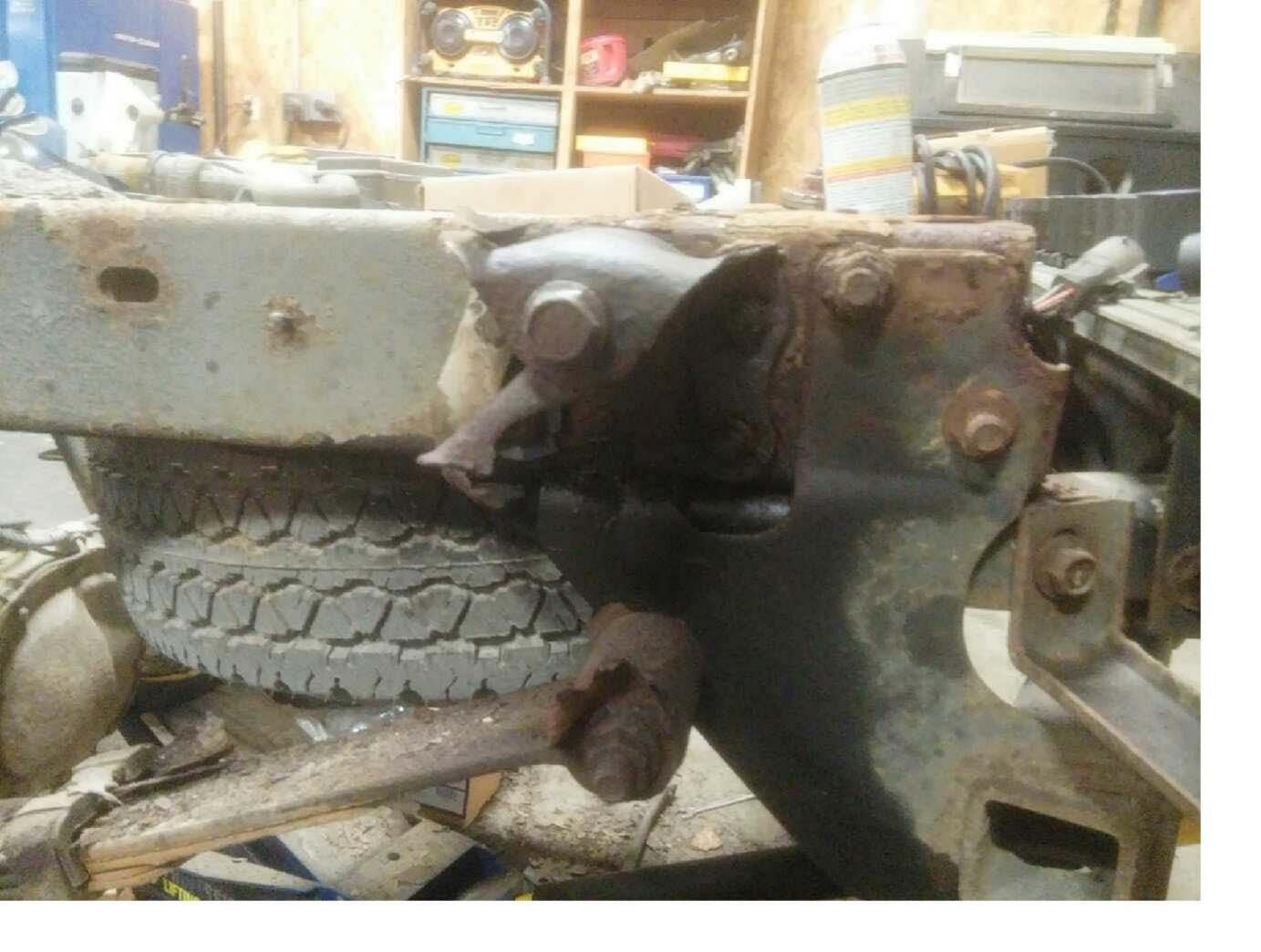
MEMORANDUM		
То:	Mayor McConnell and Assembly Members Mark Gorman, Municipal Administrator	
From:	Nick Kepler, Maintenance and Operations Superintendent NK	
Reviewed:	Michael Harmon, Public Works Director	
Date:	April 28, 2016	
Subject:	Central Garage Budget Meeting	

I would like to share the attached photos to give a glimpse into some of the challenges that our Central Garage fleet is working through. These pictures are of Unit #362, a 2005 Ford Ranger with 50,000 miles. This vehicle happens to be used by our Public Works Water Division for routine sampling and general transportation. This vehicle is still in service today despite the severely rusted frame and other suspension components. One look at the exterior or interior of this vehicle and one would think that this a fairly new and dependable vehicle. This vehicle came in for a routine service inspection and it was discovered that the frame cross member, fuel tank support and leaf springs were rotten and failing. We removed the bed, replaced all failing components, stripped and treated all remaining rust and placed this vehicle back into service to get all remaining service life that we possibly can for the CBS fleet.

This is a widespread problem in our vehicle fleet with the average age of our vehicles increasing. The attached chart shows that 53% of our fleet vehicles are 11 years of age or older. The majority of our vehicles have a recommended life cycle replacement of 10 years from our Central Garage. The Central Garage is currently developing a fleet replacement plan to streamline this process in the future. We have created and included in your packet a vehicle replacement flowchart to easily answer the inquiries of whether a vehicle is ready for replacement or not and what to do with the vehicle once it has been replaced.

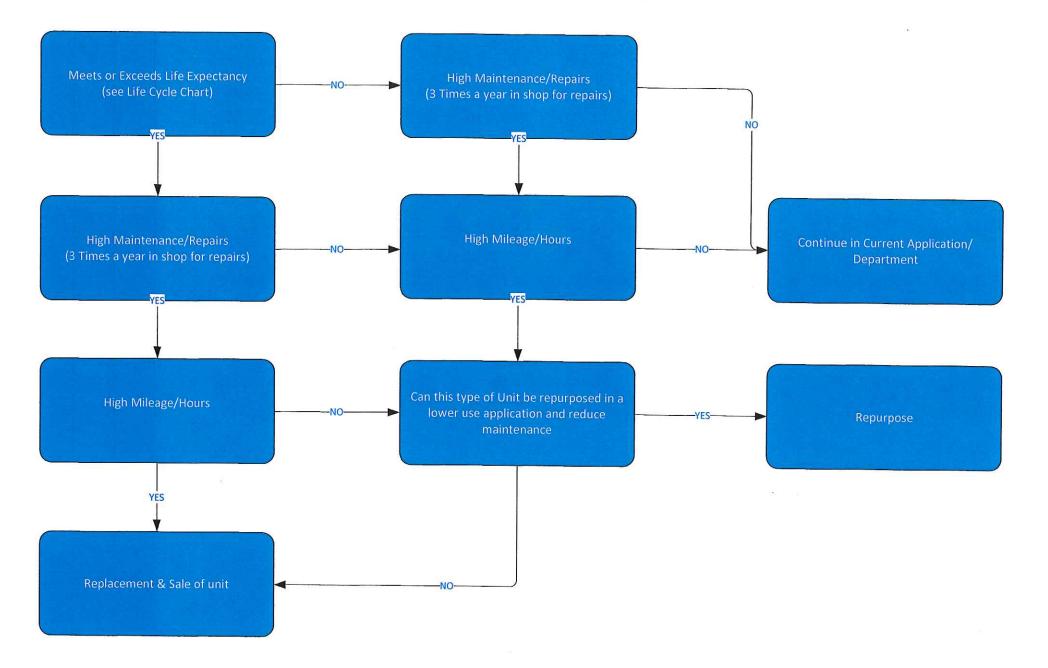
We are constantly looking at new ways to stretch the dollars in our budget. This year we are proposing to replace one of the rollover fleet vehicles with a used replacement rather than a new vehicle. This will not be a solution for every vehicle replacement, but will vary depending on the type of replacement and intended use of the vehicle.



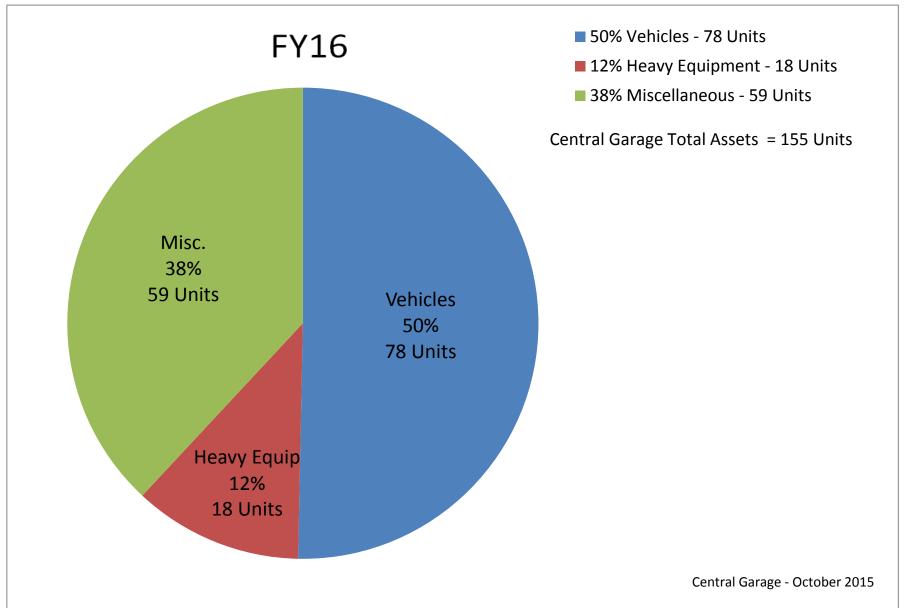




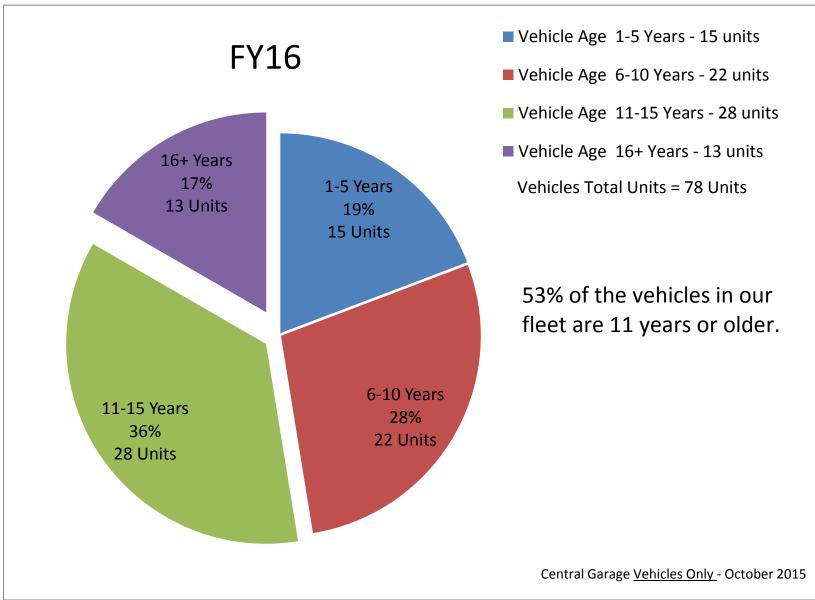
Vehicle Policy Matrix



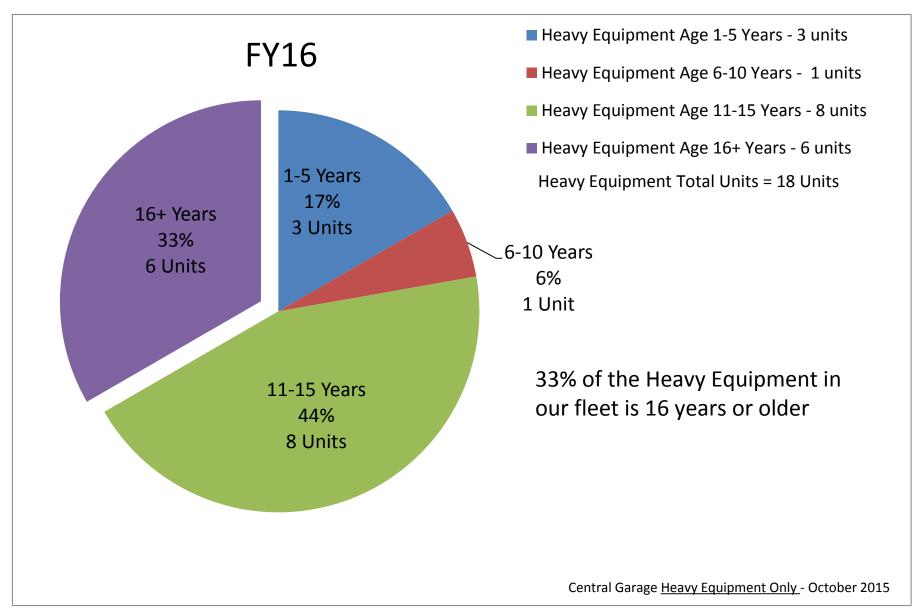
Central Garage Asset Breakdown



Central Garage Vehicles



Central Garage Heavy Equipment



DEPARTMENT INFORMATION			
Date of inspection: 2/11/2016 Date of last inspection: 10/15/2015			
Department: ELECTRIC DEPT Unit Number: 373			
VEHICLE INFORMATION			
Year, Make, Model: 2006, HI RANGER BUCKET TRUCK VIN #: 1GDE5C3236F414641			
Average annual miles/hours: 500 HRS Service Life Cycle: 2006/2016			
VEHICLE CONDITION			
Miles/Hours low average X high Current Miles/Hours 5,5000.0			
Exterior good x average poor Comments			
Mechanical good average X poor Comments IN FOR REPAIRS ROUTINELY			
OPERATIONS CHECK			
Are the systems below functioning properly, can we expect continued service without additional maintenance?			
Engine yes no Transmission yes no			
Turn signals/hazards 🛄 yes 🗌 no First Aid Kit 🖾 yes 🗌 no			
Suspension/Frame yes no Steering yes no			
Brakes/Parking brake x yes no Tires yes no Condition: 70%			
Exterior Lights yes no Windshield Wipers x yes no			
Backup lights & buzzer 🛛 yes 🗌 no Heater/Defroster 🗌 yes 🗋 no			
Headlights X yes no Fire Extinguisher yes no			
Projected Maintenance: THIS VEHICLE WILL SURPASS ITS SERVICE LIFE IN FY17. THIS EMERGENCY RESPONSE VEHICLE HAS BEEN IN FOR			
NON-ROUTINE REPAIRS 6 TIMES IN FY16.			

Replacement and sale of unit.

PW SUPERINTENDENT

DEPARTMENT INFORMATION				
Date of inspection:	: 1/28/2016	3	Date of last inspection:	7/15/2015
Department:	WWTP/STRE	ETS	Unit Number: 313	3
		VEHICLE	E INFORMATION	
Year, Make, Mode	2000, INTE	RNATIONAL, SEWER VAC TI	RUCK VIN #: 1HTS	SHADT9YH300986
Average annual mi	iles/hours:	4,780	Service Life C	ycle:2000/2015
		VEHICI	LE CONDITION	
Miles/Hours] low	X average	high Curren	nt Miles/Hours4,780
Exterior] good	× average	poor Comm	ents
Mechanical] good	average	X poor Comm	ents has many problems performing its emergency functions
			TIONS CHECK	
Are the systems be	elow functioni	ng properly, can we exp	pect continued service wi	ithout additional maintenance?
Engine	yes	no	Transmission	yes no
Turn signals/hazar	rds 🛛 🗙 yes	no	First Aid Kit	x yes no
Suspension/Frame	🗌 yes	no	Steering	yes no
Brakes/Parking bra	ake 🛛 yes	no	Tires	yes no Condition: 70%
Exterior Lights	🗌 yes	no	Windshield Wipers	x yes no
Backup lights & bu	uzzer 🗴 yes	no	Heater/Defroster	yes no
Headlights	x yes	no	Fire Extinguisher	x yes no
Projected Maintenance: THIS UNIT HAS BEEN IN THE GARAGE FOR NON-ROUTINE REPAIRS 8 TIMES IN FY16. WITH THE AGE OF THIS VEHICLE TURNING				
16 YEARS IN SERVICE WITH A 15 YEAR LIFE EXPECTANCY WITH MULTIPLE MALFUNCTIONS DO TO AGE OF UNIT, CENTRAL GARAGE RECOMMENDS THAT THIS				
UNIT BE RETIRED OF SERVICE.				
CENTRAL GARAGE RECOMMENDATION				

REPLACEMENT/SALE OF UNIT

Priority Level: HIGH - EMERGENCY RESPONSE VEHICLE Chief Mechanic Signature: PW SUPERINTENDENT

DEPARTMENT INFORMATION							
Date of inspection: <u>1/28/2016</u>			Date of last insp	pection	1/16/2015		
Department:	WWTP				Unit Number:	312	
			VEH	ICLI	E INFORMATIO	N	
Year, Make, Model: 2000, CHEVY ASTRO AWD VAN			VIN #:	1GC	:DL19W7YB158230		
Average annua	l miles/h	ours:	4,000		Service Life Cycle: 2000/2010		
			VE	HIC	LE CONDITION	[
Miles/Hours	low		x average		high	Curre	nt Miles/Hours67,250
Exterior	🗌 goo	d	⊠ average		poor	Comm	nents
Mechanical	🗌 goo	d	average		X poor	Comm	nents AGE OF VEHICLE IS EXCESSIVE
			OF	PERA	TIONS CHECK		
Are the systems below functioning properly, can we expect continued service without additional maintenance?							
Engine		🗌 yes	no		Transmission		yes no
Turn signals/ha	azards	x yes	no		First Aid Kit		🖾 yes 🗌 no
Suspension/Fra	ime	🗌 yes	no		Steering		yes no
Brakes/Parking	g brake	X yes	no		Tires		yes no Condition: <u>70%</u>
Exterior Lights	ł	🗌 yes	no		Windshield Wi	pers	x yes no
Backup lights &	& buzzer	× yes	no		Heater/Defroste	er	yes no
Headlights		× yes	no		Fire Extinguish	er	x yes no
Projected Maintenance: WITH THE AGE OF THIS VEHICLE TURNING 16 YEARS IN SERVICE, CENTRAL GARAGE IS CONCERNED ABOUT MANUFACTURED							
SAFETY PARTS NO LONGER BEING AVAILABLE SUCH AS SEATBELTS, BRAKE HARD PARTS LIKE ABS SYSTEM AND MASTER CYCLINDER. THIS VEHICLE CAN BE							
TAKEN OUT OF SERVICE VERY RAPIDLY. (MANUFACTURER MAKE PARTS FOR 10 YEARS, CAN FIND ITEMS POTENTIALLY FOR 5 YEARS AFTER THAT, 15 TOTAL)							
CENTRAL GARAGE RECOMMENDATION							

REPLACEMENT/SALE OF UNIT

Priority Level: HIGH - (NON-EMERGENCY) Chief Mechanic Signature: PW SUPERINTENDENT

DEPARTMENT INFORMATION			
Date of inspection:	1/28/2016	Date of last inspection	: 8/27/15
Department: <u>Grou</u>	unds	Unit Number: <u>#32</u>	7
	VEHICLI	E INFORMATION	
Year, Make, Model:	Ford 2002 F-250 Extended Cat	D VIN #:	
Average annual miles/h	hours: <u>7,000</u>	Service Life C	Sycle:2002/2012
	VEHIC	LE CONDITION	
Miles/Hours low	v average	X high Curren	nt Miles/Hours118,500
Exterior good	od X average	poor Comm	nents
Mechanical goo	od X average	poor Comm	nents
	OPERA	TIONS CHECK	
Are the systems below functioning properly, can we expect continued service without additional maintenance?			
Engine	yes no	Transmission	yes no
Turn signals/hazards	X yes no	First Aid Kit	X yes no
Suspension/Frame	yes no	Steering	yes no
Brakes/Parking brake	X yes no	Tires	yes no Condition: <u>70%</u>
Exterior Lights	yes no	Windshield Wipers	x yes no
Backup lights & buzzer	r X yes no	Heater/Defroster	yes no
Headlights	X yes no	Fire Extinguisher	x yes no
Projected Maintenance: With the age of this vehicle turning 13 years in service with minimal issues but with high miles there			
are possibilities of major component failures such as transmission, axles and major suspension components.			

Replacement/sale of unit

Priority Level: <u>High</u> (non emergency) Chief Mechanic Signature:

DEPARTMENT INFORMATION			
Date of inspection: 2/1/2016	Date of last inspection:4/15/2015		
Department: Streets	Unit Number: 250		
VEHIC	CLE INFORMATION		
Year, Make, Model: 1993, Load King, Tilt trailer Heavy	Duty VIN #:		
Average annual miles/hours: N.A.	Service Life Cycle: 1993/2017		
VEH	ICLE CONDITION		
Miles/Hours low average	high Current Miles/Hours N/A		
Exterior good average	X poor Comments		
Mechanical good average	X poor Comments Major Rust Invasion		
OPE	RATIONS CHECK		
Are the systems below functioning properly, can we	expect continued service without additional maintenance?		
Engine yes no	Transmission yes no		
Turn signals/hazards x yes no	First Aid Kit yes no		
Suspension/Frame yes no	Steering yes no		
Brakes/Parking brake x yes no	Tires yes no		
Exterior Lights yes no	Windshield Wipers yes no		
Backup lights & buzzer 🗌 yes 🗌 no	Heater/Defroster yes no		
Headlights yes no	Fire Extinguisher X yes no		
Projected Maintenance: Central Garage has RED TAGGED this unit due to major rust invasion on structural members.			
This unit is recommended to be immediately replaced and sold at auction.			

Replacement and sale.

Priority Level: HIGH (non-emergency) Chief Mechanic Signature:

DEPARTMENT INFORMATION			
Date of inspection: 1/28/2016	Date of last inspection: 1/16/2015		
Department: POLICE DEPT	Unit Number: 425		
VEHICL	E INFORMATION		
Year, Make, Model: 2013, FORD EXPLORER	VIN #: 1FM5K8AR7DGB40809		
Average annual miles/hours: 24,000	Service Life Cycle: 2003/2016		
VEHIC	CLE CONDITION		
Miles/Hours low x average	high Current Miles/Hours 72,5000.0		
Exterior good X average	poor Comments		
Mechanical good X average	poor Comments		
OPER	ATIONS CHECK		
Are the systems below functioning properly, can we ex	spect continued service without additional maintenance?		
Engine yes no	Transmission yes no		
Turn signals/hazards 🛛 🖾 yes 🗌 no	First Aid Kit X yes no		
Suspension/Frame yes no	Steering yes no		
Brakes/Parking brake 🗴 yes 🗌 no	Tires yes no Condition: <u>90%</u>		
Exterior Lights yes no	Windshield Wipers 🛛 yes 🗌 no		
Backup lights & buzzer 🗵 yes 🗌 no	Heater/Defroster yes no		
Headlights X yes no	Fire Extinguisher 🛛 🖾 yes 🗌 no		
Projected Maintenance:			
THIS UNIT IS ON A 3 YEAR/100,000 MILE REPLACEMENT CYCLE.			

THIS UNIT WILL BE ROLLED OVER INTO THE POLICE DEPT FLEET TO ALLOW RETIREMENT OF AN OLDER UNIT.

Priority Level: HIGH

Chief Mechanic Signature: <u>PW SUPERINTENENDT</u>

DEPARTMENT INFORMATION			
Date of inspection:/	28/2016	Date of last ins	pection: 1/16/2015
Department: PW Ac	dmin	Unit Number:	#308
	VEHICLE	E INFORMATIO	DN
Year, Make, Model:	2000, Ford, Explorer	VIN #:	
Average annual miles/ho	ours: 4,000	Service	e Life Cycle:2000/2010
	VEHICI	LE CONDITION	1
Miles/Hours low	X average	🗌 high	Current Miles/Hours 44,480.0
Exterior good	X average	poor	Comments
Mechanical good	average	X poor	Comments
	OPERA	TIONS CHECK	
Are the systems below fu	unctioning properly, can we exp	pect continued se	ervice without additional maintenance?
Engine	X yes no	Transmission	X yes no
Turn signals/hazards	× yes no	First Aid Kit	x yes no
Suspension/Frame	x yes no	Steering	X yes no
Brakes/Parking brake	x yes no	Tires	X yes \square no Condition: 70%
Exterior Lights	x yes no	Windshield Wi	ipers x yes no
Backup lights & buzzer	x yes no	Heater/Defrost	er X yes no
Headlights	x yes no	Fire Extinguish	her x yes no
Projected Maintenance: This vehicle was in the shop for non-routine repairs 6+ times in FY16. With this vehicle turning			
16 years in service. Central Garage is concerned about manufactured safety parts no longer available; such as seatbelts,			
brake parts, ABS parts and master cylinders. This vehicle may be taken out of service soon.			
	CENTRAL GARA	GE RECOMME	ENDATION

This vehicle is recommended to be replaced in FY17 with a high quality used vehicle to lower replacement cost.

Priority Level: Medium

CITY & BOROUGH OF SITKA

VEHICLE REPLACEMENT EVALUATION

Unit#383				
DEPARTMENT INFORMATION				
1. Date of Inspection: 2/1/16 Date of last Inspection: 4/15/15				
2. Department:electric department				
VEHICLE INFORMATION				
8. Make/Year/Model: FORD 2007 RANGER 4X4 EX CAB				
9. Average Miles annually: <u>10,000</u>				
10Serviced every: 4000 10a. Vehicle Intended Use: TRANSPORT PEOPLE & TOOLS				
11. Service Life Agreement. 2005/2015				
VEHICLE CONDITION				
13. Miles: I low Average Average high Current Miles: 98,560.0				
14. Exterior: Sold Average Poor Comments:				
15. Mechanical: 🛛 good 🗌 Average 🗌 poor Comments: GREAT ROLL OVER UNIT				
OPERATIONS CHECK				
16. Turn signals/hazards. XYes no 17. Headlights Yes no				
18. Windshield wipers. Xes no 19. Tires. (Condition) <u>90%</u>				
20. brakes/parking brake. XYes no 21. Backup lights and sound yes no				
22. First aid kit Xes no 23. Fire Extinguisher yes no				
24. Emergency Triangles Dyes Ino (Heavy Equipment only)				
PROJECTED MAINTENANCE				
With the age being with in its useful time and the over all condition of unit being good, Central garage recommends replacement and this unit to be rolled back into the fleet eliminating an older unit and or a maintenance menace. RECOMMENDATION Replacement and relocate PRIORITY LEVEL (MEDIUM)				
Chief Mechanic P.W Superintendent				

 \tilde{t}

DEPARTMENT INFORMATION			
Date of inspection: 2/11/2016	Date of last inspection: 10/27/2015		
Department: Grounds	Unit Number: <u>#288</u>		
VEHICLI	E INFORMATION		
Year, Make, Model: 1997, Utility Trailer	VIN #:		
Average annual miles/hours: N.A.	Service Life Cycle: 1997/2017		
VEHIC	LE CONDITION		
Miles/Hours low average	high Current Miles/Hours N.A.		
Exterior good average	X poor Comments Frame fatigue and cracking		
Mechanical good average	X poor Comments		
OPERA	TIONS CHECK		
Are the systems below functioning properly, can we exp	pect continued service without additional maintenance?		
Engine yes no	Transmission yes no		
Turn signals/hazards yes no	First Aid Kit 🗌 yes 🗌 no		
Suspension/Frame yes X no	Steering yes no		
Brakes/Parking brake yes no	Tires yes no Condition: <u>90%</u>		
Exterior Lights X yes no	Windshield Wipers yes no		
Backup lights & buzzer 🗌 yes 🗌 no	Heater/Defroster yes no		
Headlights yes no	Fire Extinguisher yes no		
Projected Maintenance: This unit will end it's service life during FY17. This unit is experiencing major structural failures			
and needs to be replaced immediately.			

Replacement/sale of unit

Priority Level: High (non emergency) Chief Mechanic Signature:

DEPARTMENT INFORMATION			
Date of inspection: 2/11/2016	Date of last inspection: 10/15/2015		
Department: Grounds	Unit Number: <u>#352</u>		
VEHICLI	E INFORMATION		
Year, Make, Model: Spectra 2003 Trailer	VIN #:		
Average annual miles/hours: <u>N.A.</u>	Service Life Cycle: 2003/2023		
VEHIC	LE CONDITION		
Miles/Hours low average	high Current Miles/Hours N.A.		
Exterior good average	X poor Comments Frame fatigue and cracking		
Mechanical good average	X poor Comments		
OPERA	TIONS CHECK		
Are the systems below functioning properly, can we exp	pect continued service without additional maintenance?		
Engine yes no	Transmission yes no		
Turn signals/hazards X yes no	First Aid Kit 🗌 yes 🗌 no		
Suspension/Frame yes no	Steering yes no		
Brakes/Parking brake yes no	Tires yes no Condition: <u>60%</u>		
Exterior Lights yes no	Windshield Wipers yes no		
Backup lights & buzzer 🗌 yes 🗌 no	Heater/Defroster yes no		
Headlights yes no	Fire Extinguisher yes no		
Projected Maintenance: This unit is 13 years of age and no longer fits the needs of our operations. The Central Garage			
recommends the sale of this unit and to be replaced with a small affordable replacement.			

Replacement/sale of unit

Priority Level: Medium (non emergency) Chief Mechanic Signature: