CITY OF OAKLAND

AGENDA REPORT

TO: Office of the City Administrator
ATTN: Deborah Edgerly
FROM: Public Works Agency
DATE: May 22, 2007

RE: **Supplemental Report Providing Information On Vehicle Turnaround Time, Average Fleet Age And Size, And List Of Equipment Shop Upgrades For The Automotive Body And Machinist Shops**

SUMMARY

This supplemental report provides information on vehicle turnaround time, average age of the City's fleet compared to other California cities, and a list of Equipment Division shop equipment to replace the overaged shop facilities equipment, as requested during the May 8, 2007, Public Works Committee.

FISCAL IMPACTS

This report is informational only. Any funding for the items being discussed would be subject to the City budget process.

BACKGROUND

During the presentation of the Informational Report on Fiscal Year 2005-2006 Performance Measures for Group 6, Fleet Management and Maintenance, staff was directed by the Committee to submit information on the turnaround times for vehicles entering the Automotive and Truck/Fire Shops (*see Attachment A*), and the average age of Oakland's fleet in comparison to that of the ten most populous cities in California. In addition, the Committee requested that staff provide a list of shop equipment to replace the overaged equipment in the Machinist Shop and the obsolete equipment in the Equipment Body Shop.

KEY ISSUES AND IMPACTS

Staff conducted an informal telephone survey of the ten most populous cities in California (based on the State of California, Department of Finance, "January 2007 Cities and Counties Ranked by Size, Numeric and Percent"), requesting information on the size and average age of the respective city's fleet. The following are the results of the survey:

Fleet Size and Age Top 10 Most Populous California Cities As of May 11, 2007			
Rank	**City**	**Fleet Size**	**Average Age (Years)**
1	Los Angeles	9000	7
2	San Diego	4500	6.5
3	San Jose	5000	6.5
4	San Francisco	5000	6
5	Long Beach	No response	
6	Fresno	2000	6
7	Sacramento	No response	
8	Oakland	1700	8.7
9	Santa Ana	821	7
10	Anaheim	1400	7

In response to the Committee's question concerning the Equipment Division's turnaround time for automobiles, *Attachment A* shows the turnaround time for vehicles entering the Truck/Fire and Automotive Shops during the Fiscal Year 2006-07 3rd Quarter for both preventive maintenance (PM) and repairs.

As shown in *Attachment A*, in the third quarter of FY 2006-07, 34% of the work orders for vehicles in the Truck/Fire Shop, and 70% of the work orders in the Automotive Shop were completed within 72 hours. Examples of PM tasks are oil and filter changes, tune-ups, brake replacements; examples of repair tasks are tire repair/replacement, lights/electrical system repair, battery recharge/replacement, hydraulic system repair, and cooling system repair. The number and percentage unfinished refer to those work orders that were not completed within 72 hours.

The low turnaround time for the Truck/Fire Shop is primarily due to unavailability of mechanics. One vacancy and two injuries during the entire third quarter and the fourth quarter to-date account for 43% of the shop's workforce being unavailable.

The Committee also requested information on the cost of replacing the overaged and obsolete facility equipment for the Machine and Body Shops. Equipment in the Machine Shop was acquired in the 1970s and was considered state of the art in its time; however, technological advances in the equipment used in designing, fabricating and machining parts and equipment have enabled machinists to produce sophisticated equipment more easily and rapidly, increasing efficiency and productivity.

The Automotive Body Shop's decal machine is overaged and soon to be obsolete. Replacement of this unit of facility equipment would enable the Body Shop to provide precision dye-cut, custom decals, reducing the need to contract with an outside vendor for numbers and decals and stock these items.

The following lists the existing equipment in the Machine and Body Shops and the estimated cost of the replacement item:

Year Built/ Purchased	Existing Equipment	Replacement	Purpose	Est. Cost of Replacement
Late 1960s	Bridgeport Manual Vertical Milling Machine	TRAK CNC Bed Mill, 3 Axis, DPM-SX5	Computer-driven, geometry-based equipment to cut, shape, drill metals for fabrication and assembly	$38,000
Early 1960s	4-foot Niagara 14-gauge maximum Hydraulic Shear	80-inch Chicago Hydraulic Powered Shear, ¼-inch maximum	Precision cuts various thicknesses of metals for processing	$30,000
Early 1960s	8-foot Chicago 16-gauge maximum Steel Bending Brake	8-ft. Chicago Hydraulic Press Brake, 3/16-inch maximum	Precision bends various thicknesses and widths of metals	$50,000
January 1969	10-inch Clausing Engine Lathe	Hardinage HLV-8 Precision Manual Toolroom Lathe	Multi-functional machine for drilling, cutting and boring round stock	$48,290
January 1990	Signer by Gerber, Model LC7	BREN Pro-Series Color Printing Cutter	Produces and dye cuts various sizes and types of stock for numbers and decals	$10,000
TOTAL				$176,290.00

SUSTAINABLE OPPORTUNITIES

There are no economic, environmental or social equity opportunities associated with the actions of this report.

DISABILITY AND SENIOR CITIZEN ACCESS

There is no impact on the accessibility of residents with disabilities or senior citizens.

ACTION REQUESTED OF THE CITY COUNCIL

This report is for informational purpose only, therefore no action is requested.

Respectfully submitted,

RAUL GODINEZ, II, P.E.
Director, Public Works Agency

Reviewed by:
Bruce Saunders, Assistant Director

Prepared by:
Stephanie McCormick
Fleet Specialist, Equipment Division

Attachment: A – Work Order Turnaround Time for Truck/Fire and Automotive Shops

APPROVED AND FORWARDED TO THE
PUBLIC WORKS COMMITTEE

Office of the City Administrator

Item: _____
Public Works Committee
May 22, 2007

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Work Order Turnaround by Repair Location

Repair Location(s): 5050T, 7101A

Dates From: 1/1/2007 To: 3/31/2007

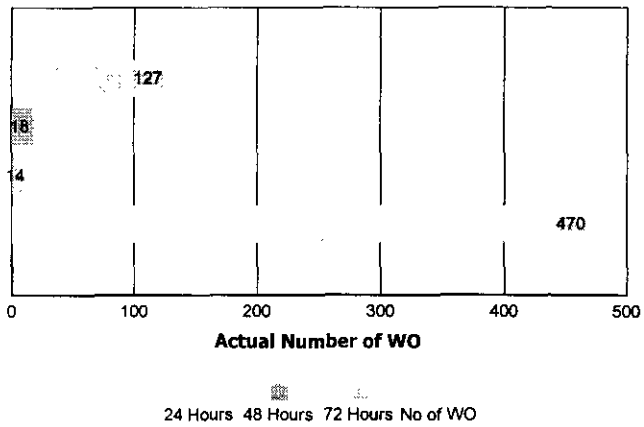
Job Type: BOTH

Report Date: 5/16/2007

Repair Location: 5050T: COLISEUM TRUCK SHOP

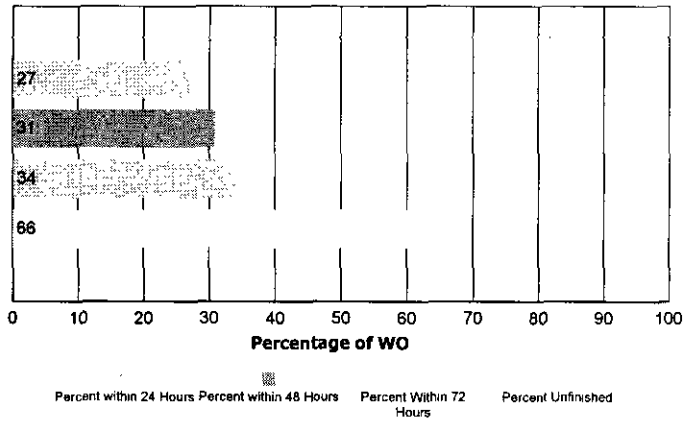
Actual Number of Work Orders Finished

Within 24, 48 or 72 Hours of Open Date



Percentage of Work Orders Finished

Within 24, 48, and 72 Hours (Cumulative)



Actual		Cumulative	
Within 24 Hours: 127	Within 48 Hours: 18	Within 24 Hours: 127	Within 48 Hours: 145
Within 72 Hours: 14	Total Number of Work Orders: 470	Within 72 Hours: 159	Total Number of Work Orders: 470
Total Unfinished: 311		Percent Unfinished: 66.17%	

Work Order Turnaround by Repair Location

Repair Location(s): 5050T, 7101A

Dates From: 1/1/2007 To: 3/31/2007

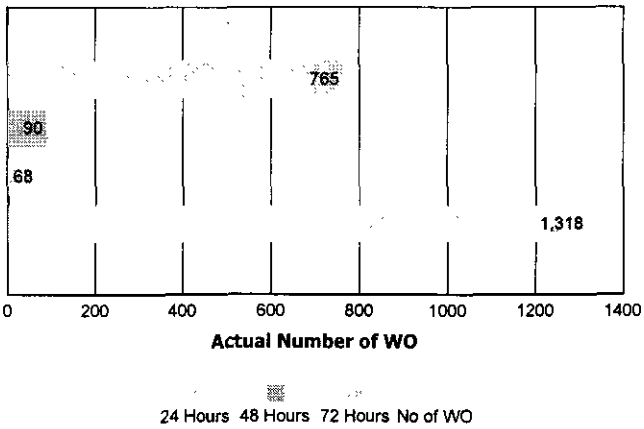
Job Type: BOTH

Report Date: 5/16/2007

Repair Location: 7101A: EDGEWATER AUTO SHOP

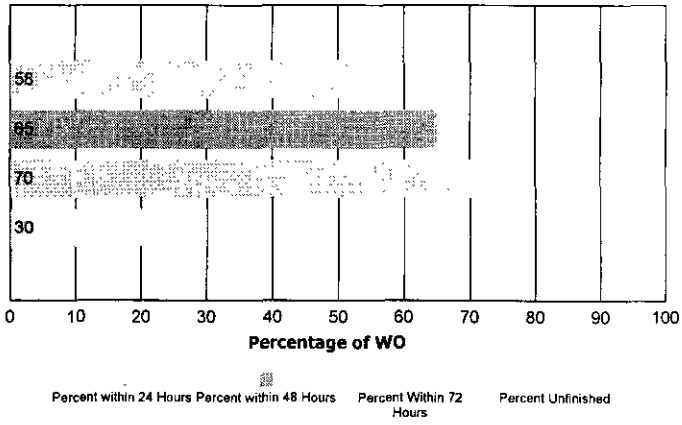
Actual Number of Work Orders Finished

Within 24, 48 or 72 Hours of Open Date



Percentage of Work Orders Finished

Within 24, 48, and 72 Hours (Cumulative)



Actual		Cumulative	
Within 24 Hours: 765	Within 48 Hours: 90	Within 24 Hours: 765	Within 48 Hours: 855
Within 72 Hours: 68	Total Number of Work Orders: 1318	Within 72 Hours: 923	Total Number of Work Orders: 1318
Total Unfinished: 395		Percent Unfinished: 29.97%	