COUNTY DEPARTMENT AGENDA REQUEST

Department:	Road/Fleet	Presenter(s):	Andy Adams/Bill Lackey
Meeting Date:	Thursday, March 10, 2011	Type of Request:	Old Business

Wording for the Agenda:

Further discussion of staff's request for authorization to proceed with having a Certified Rebuild performed on a Caterpillar D6H belonging to the Road Department at a cost estimated at $184,324; and a request that the funding come from the County's Contingency Fund. This item was discussed at the February 24 Meeting and staff was directed to explore options.

Background/History/Details:

The Road Department Caterpillar D6H Dozer (Ser # 4RC1261) was taken to Yancey Bros. for repair/replacement of the track adjusters and track links which was estimated to cost $13,016.68. After disassembling the unit for repairs it was discovered that the machine needed extensive undercarriage work. The cost to bring this machine back to a safe and reliable working condition is now estimated at $37,631.04. This unit is scheduled for replacement in the Road Department CIP for FY2011. The replacement cost of a new Caterpillar D6T would run in the area of $288,000.00. Caterpillar offers a Certified Rebuild program which comes with a new serial number and new machine (3 Year 5,000 Hour) warranty. The cost for a Certified Rebuild on this machine is estimated to be $184,324.00. In lieu of replacing this equipment with a new D6T, staff recommends that this unit undergo the Caterpillar Certified Rebuild program which would be a savings of $103,676.00. Based on historical use, the County should get another 20 years of service from this machine after the Certified Rebuild.

When the Board discussed this item at their February 24 Meeting, staff was directed to explore options and to bring the topic back to the Board with either a new recommendation or confirmation that the original request should be considered. Staff was allowed to consider other used equipment, to have the latitude to sole source the equipment in order to identify the best piece of equipment available, and to look at other functional models or units that my be more conducive to the county's operations.

What action are you seeking from the Board of Commissioners?

Discussion of options found by staff. Authorization to proceed with the desired option will be needed. If/When a vote is taken that authorizes staff to proceed with the acquisition of a piece of equipment or with the restoration of the D6 under review, authorization will also be needed to take the funds from the County's Contingency Fund.

If this item requires funding, please describe:

Funding for the rebuild would need to come from the County's Contingency Account in the amount of $184,324.00.

Has this issue come before the Commissioners in the past?	Yes	If so, when?	Thursday, February 24, 2011
Do you need audio-visual for the presentation?		Back-up Material Submitted?	Yes

STAFF USE ONLY

Approved by Finance	Yes	Reviewed by Legal	Yes
Approved by Purchasing	Not Applicable	Approved by County Clerk	Yes
Administrator's Approval	Yes		

Staff Notes:

The original backup material used when this topic was first introduced is also included here. However, if other options are prepared for consideration by the Board of Commissioners, additional information will be provided, particularly if staff's recommendation is different from the original request.

Caterpillar Certified Rebuild Program

The Caterpillar Certified Rebuild Program offers a like-new machine with a like-new warranty and a new serial number, all at a fraction of the cost of a comparable new machine.

D9N before Caterpillar Certified Rebuild

D9N after Caterpillar Certified Rebuild

The program starts with a complete machine inspection. Then the machine is completely disassembled and rebuilt from the ground up to include all Caterpillar product updates. More than 350 tests and inspections (plus the automatic

replacement of more than 7,000 parts) ensure the same high level of quality as a new Caterpillar machine.

The CCR Program Includes The Following:

- **Inspection/Evaluation** - The condition of the machine is thoroughly inspected. This includes SOS Fluid Analysis, inspecting attachments, and reviewing maintenance and service records.
- **Disassembly** - The machine is completely disassembled down to the basic machine frame. All parts are carefully inspected and measured against the Caterpillar Parts Reusability Guidelines. Certain parts (including hoses, belts, seals, gaskets, bearings, knobs, wiring, switches, and gauges) are always replaced with new parts.
- **Reconditioning** - Frames are examined, straightened, reinforced and welded when necessary. Worn linkage pins and shaft bearings are replaced and hydraulic systems are brought back to original levels of performance and reliability.
- **Engineering Updates** - Certain engineering improvements and updates may have been made since original manufacturing of the machine. Many of these improvements will be incorporated into the machine when it is reassembled.
- **Engine/Transmission Tests** - Engine, transmission, and torque converter are completely disassembled, inspected, reconditioned, and updated to Caterpillar Certified Rebuild Standards. Each component is thoroughly bench tested before installation in the machine.
- **Reassembly** - Critical clearances and pressure settings are all maintained and recorded.
- **Performance Testing** - All critical systems are tested to verify that they meet stringent rebuild specifications. All tests are periodically audited by Caterpillar to ensure the finished product meets Caterpillar standards.
- **Repainting** - The entire machine is painted and new identifying graphics are applied resulting in a new looking machine.
- **New Serial Number** - A new serial number identifies the machine and certifies that is has completed the rebuild process. The rebuilt machine carries a like-new machine warranty.
- **Customer Evaluation** - The rebuild process is complete when the customers are satisfied with the reliability, productivity, and availability of the machine as it operates in their working environment.

FAYETTE CTY ROAD DEPT/FLEET MAINTENANCE

Estimate

115 MCDONOUGH ROAD
FAYETTEVILLE, 30215

CUSTOMER NO.	CONTACT	PHONE NO.	FAX NO.	EMAIL
907648	MR BILL LACKEY	770.320.6014		bill.lackey@fayettecountyga.gov

ESTIMATE NO.	P.O. NO.	DATE	WORK ORDER NO.
D6H CCR REBUILD		Feb 07, 2011	

MAKE	MODEL	SERIAL NO.	UNIT NO.	HOURS
AA	D6H	04RC01261		6242

SEGMENT: 01 CATERPILLAR CERTIFIED REBUILD (CCR)

We are pleased to offer the following Caterpillar Certified Rebuild for your D6H. Yancey Brothers considers the rebuild process to be very thorough and when complete, will return a unit with like-new performance and value. These machines will be backed by an extended warranty.

Qty	Item No	Description	Unit /Disc Price	Ext Price
Parts				
1		PARTS NEEDED TO PERFORM CCR	$86,208.00	$86,208.00
			Total Parts	**$86,208.00**
Labor				
		LABOR NEEDED TO PERFORM CCR		$103,116.00
			Total Labor	**$103,116.00**
Miscellaneous				
1		YANCEY PARTS AND SERVICE CREDIT (APPLIED ON WORKORDER)	($5,000.00)	($5,000.00)
			Total Miscellaneous	**($5,000.00)**
			Segment 01 Total	**$184,324.00**
		TOTAL ESTIMATE		**$184,324.00**

- ***These prices are for the specific repairs listed only for those repairs.Prices do not include state and local taxes, plus E.P.D. supplies/ environmental and disposal charges of 5% of labor not to exceed $300.00. Yancey Bros. Co. standard warranty is 6 months on parts and 90 days on labor.***

ESTIMATED REPAIR TIME: ***from start date***

"The signature is an authorization to proceed with the required repair work as described within the quote".

Issued PO#_____, Authorized Name _____Please Print

Date___/___/____(dd,mm,yy).

Any questions? Please call Jason Ellis at 404-427-0192.

_____
Signature

Date: **01/21/11**

Customer Name: **Fayette CTY** Work Order

Account # **907648** Customer Agent

Customer Phone # Customer P.O. #: Meter Reading

Customer Fax #: Overtime Authorized YES NO

Make: **CAT** Model **D6H** Ser #: **4RC1261** Unit to Arrive

Date/Time Called In Faxed Date/Time Sent

Estimated completion date: Parts Orders: NEXT DAY AIR or REGULAR

Guaranteed Parts and Labor RDI- Repair Determination Inspection

Guaranteed Labor/ Estimated Parts **XX** Estimate- Firm price can be given after RDI

We at Yancey Brothers Company are pleased to submit the following proposal:

Seg	DESCRIPTION OF WORK	PARTS $	LABOR $	Other $
	This is in addition to the undercarriage quote	$8,358.70	$2,456.95	
	Fan belts need replaced	$125.76	$198.00	
	Transmission line leaking	$118.91	$396.00	
	Fuel leaks at injector lines, fuel filter housing,and govenor	$1,160.27	$594.00	
	coolant lines leaking	$313.65	$495.00	
	Repair Hyd Leak at enviromental pulg on Hyd Tank	$237.92	$198.00	
	Remove and Install Roller Frames and Equalizer Bar	$1,553.52	$1,485.00	
	Weld bore 3 holes in E-bar		$2,550.00	
	weld bore center hole machine frame		$1,386.00	
	remove and install engine oil pan to machine main frame	$300.00	$594.00	
	Remove Bottom guards and clean inside of machine	$100.00	$594.00	
	Rebaearing pivot shaft (shafts included if needed)	$7,528.82	$792.00	
	Blade float not working	$3,169.29	$792.00	
	Remove and install blade tilt cylinder (bypassing)	$50.00	$198.00	
	Reseal tilt cylinder (reseal only)	$275.00	$475.00	
	Repair Horn, hour meter and back alarm and dash lights to work	$391.25	$594.00	
		$23,683.09	$13,797.95	$0.00

Quote good for **30** days **Grand Total $37,631.04**

Page 1 Total

Environmental/Supplies Charge $150.00

Additional Comments:

ESTIMAT ONLY FIRM PRICE AFTER DISASEMBLY

THANK YOU FOR YOUR CONTINUED BUSINESS.

Price does not include shipping and handling. These prices are for the specific repairs listed only for those repairs. Prices do not include state and local taxes, plus E.P.D. supplies/ environmental and disposal charges of 4% Max $150.00. Yancey Bros. Co. standard warranty is 6 months on parts and 90 day on labor.

I hereby authorize repair work to be performed along with necessary parts and material. You and your employees may operate this machine for the purpose of testing, inspection and delivery at my own risk. An expressed mechanics lien is acknowledged on this machine to secure the amount of the repair thereto. Yancey Bros. Co. cannot be held responsible for loss or damage to the machine while under its control. I acknowledge that I am the legal owner, or authorized representative of the owner and hereby grant a secured interest in the unit for the amount of the repairs until payment is made.

I HAVE READ AND AGREED TO THE ABOVE

Customer Signature Date Yancey Bros. Co. Representative

FAYETTE CTY ROAD DEPT/FLEET MAINTENANCE
115 MCDONOUGH ROAD
FAYETTEVILLE, 30215

Estimate

CUSTOMER NO.	CONTACT	PHONE NO.	FAX NO.	EMAIL
907648	MR PETER PETRO	770.461.3142	770.719.5596	ppetro@fayettecountyga.gov
ESTIMATE NO.	**P.O. NO.**	**DATE**	**WORK ORDER NO.**	
D6H Links		Jan 03, 2011	0A81576	
MAKE	**MODEL**	**SERIAL NO.**	**UNIT NO.**	**HOURS**
AA	D6H	04RC01261		4707

SEGMENT: 01 **R & I LINKS**

	Qty	Item No	Description	Unit/Disc Price	Ext Price
Parts					
	2	6I-9668	LINK A	$3,840.56	$7,681.11
	304	6V-1792	BOLT	$1.76	$535.04
	304	1S-1860	NUT	$0.90	$273.60
	8	9S-1838	BOLT-TRACK	$3.21	$25.68
	1		MISC HARDWARE	$175.00	$175.00
				Total Parts	**$8,690.43**
Labor					
		074-4150	WASH UNDERCARRIAGE		$118.50
		010-4170	R & I TRACKS		$474.00
		010-4172	R & I SHOES		$948.00
				Total Labor	**$1,540.50**
				Segment 01 Total	**$10,230.93**

SEGMENT: 02 **R & I RESEAL TRACK ADJUSTERS**

	Qty	Item No	Description	Unit/Disc Price	Ext Price
Parts					
	2	6K-6307	SEAL-O-RING	$2.27	$4.54
	2	6V-8142	SEAL	$52.96	$105.92
	2	1908609	VALVE FILL	$22.86	$45.72
	2	2S-5926	VALVE-RELIEF	$10.18	$20.36
	2	2J-6274	SEAL-O-RING	$0.98	$1.96
	1		MISC OIL & HARDWARE	$125.00	$125.00
				Total Parts	**$303.50**
Labor					

010-4157	R & I TRACK ADJUSTERS		$296.25
020-4157	RESEAL TRACK ADUSTERS		$316.00
		Total Labor	**$612.25**
		Segment 02 Total	**$915.75**

SEGMENT: 03 **REWORK ROLLER FRAMES**

Qty	Item No	Description	Unit/Disc Price	Ext Price
Labor				
		REWORK ROLLER FRAMES		$1,870.00
			Total Labor	**$1,870.00**
			Segment 03 Total	**$1,870.00**
			TOTAL ESTIMATE	**$13,016.68**

These prices are for the specific repairs listed only for those repairs.Prices do not include state and local taxes, plus E.P.D. supplies/ environmental and disposal charges of 5% of labor not to exceed $300.00. Yancey Bros. Co. standard warranty is 6 months on parts and 90 days on labor.

ESTIMATED REPAIR TIME: _____ ***from start date***

"The signature is an authorization to proceed with the required repair work as described within the quote".

Issued PO# _____***, Authorized Name*** _____ ***Please Print***

Date ____ **/** ____ **/** _____**.**

Any questions? Please call Dan Peter at 404-787-7202.

Signature