

DEPARTMENT: Public Works

By: Michael Edwards

Phone: 966-5356

RECOMMENDED ACTION AND JUSTIFICATION: (Policy Item: Yes ___ No x)

Public Works recommends that the Board of Supervisors authorize the expenditure of \$13,000 to replace the snow plow blade for the Yosemite West Loader. Additionally, it is requested that formal bid requirements be waived for this purchase.

This expense is justified because the type of plow blade that came with the loader is a truck-mount type and is not strong enough to withstand heavy snow removal conditions that exist in Yosemite West. Annual maintenance has included reconstruction or major repair of the plow frame. The estimated cost to reconstruct the frame is \$1,600 this year. Additionally, the existing plow blade is not effective in removing ice from the roadway. The new plow would have a positive downward pressure that will correct this problem and is designed to be loader mounted. It also would have a quick-coupling feature that will allow the loader bucket to be attached. This combination will make the loader a much more effective tool and will reduce the yearly maintenance costs dramatically. The expenditure will be offset by resale of the old plow (approximately \$1,500), by the recent sale of the old motor grader and old snow blower (\$4,225), and by the savings realized by not rebuilding the old plow frame (\$1,600). The net cost to the District would be \$5,675. The sole-source procurement is justified because of the need to correct the problem prior to the approaching snow season. The plow would be purchased from one of several reputable dealers with whom the County has dealt with in the past and based on informal bids.

BACKGROUND AND HISTORY OF BOARD ACTIONS:

The existing loader/plow combination was purchased as one unit about four years ago. The loader itself and the loader bucket are in excellent condition.

LIST ALTERNATIVES AND CONSEQUENCES OF NEGATIVE ACTION:

1. Approve recommended action except for quick-connect feature: \$2,500 savings on purchase price. Makes loader much less versatile.
2. Disapprove recommended action. Existing plow will be rebuilt at a cost of \$1,600. Snow removal will be much less effective. Large annual maintenance costs will continue.

COSTS: () Not Applicable

A. Budgeted current FY	\$0
B. Total anticipated costs	\$13,000*
C. Required additional funding	\$13,000
D. Internal transfers	\$

SOURCE: () 4/5th Vote Required

A. Unanticipated revenues	\$
B. Reserve for contingencies	\$
C. Source description:	

Balance in Reserve Contingencies, if approved: \$

SPECIAL INSTRUCTIONS:
List the attachments and number the pages consecutively:

1. BUDGET ACTION FORM
2. Memo dated 9/25/92 to Yosemite West Advisory Committee
3. 9/17/92 memo from Allan to Edwards

* Estimated salvage value of existing plow is \$1,500.

Cost also offset by \$4,225 from sale of old grader and blower and rebuild of old plow \$1,600. Net cost = \$5,675

ADMINISTRATIVE OFFICER'S RECOMMENDATION:

CLERK'S USE ONLY

Res. No.: 92-540	Ord. No. _____
Vote - Ayes: 5	Noes: _____
Absent: _____	Abstained: _____
Approved: _____	() Denied
() Minute Order Attached	() No Action Necessary

The foregoing instrument is a correct copy of

This item on agenda as:

<input checked="" type="checkbox"/>	Recommended
<input type="checkbox"/>	Not Recommended
<input type="checkbox"/>	For Policy Determination
<input type="checkbox"/>	Submitted with Comment
<input type="checkbox"/>	Returned for Further Action

Handwritten signature: Turner

BE IT RESOLVED by the Board of Supervisors of Mariposa County, a political subdivision of the State of California, that pursuant to the provisions of the Government Code of the State of California, Sections 29120 et seq., the following APPROPRIATIONS and/or TRANSFERS within the Budget of the County of Mariposa are hereby adopted:

<u>Department</u>	<u>APPROPRIATIONS</u> (4/5ths Vote Required) <u>Item</u>	<u>Account No.</u>	<u>Amount</u>
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<u>Department</u>	<u>TRANSFERS</u> (3/5ths Vote Required) <u>Item</u>	<u>Account No.</u>	<u>Amount</u>
From: Yosemite West	Maint. Equip.	071-100-2-120	\$13,000
To: Yosemite West	Fixed Asset Snow plow attachment	071-100-4-370	\$13,000



COUNTY of MARIPOSA

4639 Ben Hur Road
Mariposa, CA 95338
(209) 966-5356

DEPARTMENT OF
PUBLIC WORKS
Divisions of:
Design & Construction
Administration
Operations

Laurence Pollard
Director

MEMORANDUM

TO: Yosemite West Budget Advisory Committee

FROM: Michael D. Edwards, Assistant Director

DATE: September 25, 1992

SUBJECT: Possible Replacement of Plow Attachment
for the Front-End Loader

In reviewing the maintenance needs for the Yosemite West snow removal equipment prior to winter, it was brought to my attention that the plow attachment for the loader needs extensive work. Specifically, the structural frame that supports it is bent in several places. The attached memo from our Fleet Maintenance Manager identifies an estimated cost of \$1,600 to make the necessary repairs. Replacement of the frame, which may be necessary by next year anyway, would obviously cost more.

I also learned that this type of repair has been necessary every year since the plow was purchased. The loader and bucket combination, which was purchased at the same time, has held up fine. The plow frame, however, has not withstood the demands of heavy snow. The frame is more suited to a truck-type mounting in a locale that does not have the heavy snow. Additionally, it does not have the positive downward pressure capability required to remove ice from the road. On the contrary, it tends to bounce and float, leaving bumps and ice on the surface.

It is my opinion that the snowplow attachment should be replaced with one that is more durable, can remove the ice from the road and is designed to attach quickly to a loader. The quick-connect feature would enhance the loader's snow removal capabilities by easily exchanging the plow for the bucket when needed. This would provide backup snow berm removal should the rotary blower break down. It would also allow for more use during the shoulder seasons when the loader often has to sit idle with the plow attached.

The purchase price would be about \$13,000. There is a resale value of the old plow of perhaps \$2,000. The recent sale of the old motor grader and old snow blower brought a total of \$4,225 into the District. Additionally, \$1,600 in repair cost would be avoided. The net cost to the District would, therefore, be \$5,675. If the quick-connect feature is eliminated, an additional \$2,500 savings would result. Funding would be from the "maintenance of equipment" line of the "road maintenance" portion of the budget.

I would appreciate the input of each of the individual committee members in this regard. I intend to make this recommendation to the Board of Supervisors on Tuesday, October 6. A waiver of formal bid requirements will also be recommended to allow the purchase to occur quickly, before the snow season arrives.

Please write or call me prior to **October 6** with your thoughts on this matter.

Incidentally, I would also like to set up a committee meeting sometime soon to discuss the State budget actions on the Yosemite West Maintenance District. Please give me an idea of your general availability to meet. Thanks for your assistance.



Michael D. Edwards

MDE/dp

Enclosure: As noted

cc: Supervisor Baggett
John McCamman
Larry Pollard



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DEPARTMENT OF
PUBLIC WORKS

Divisions of:
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Laurence Pollard
Director

MEMORANDUM

TO: Mike Edwards, Assistant Director

FROM: Marty Allan, Fleet Maintenance Manager *MA*

DATE: September 17, 1992

SUBJECT: Snow Equipment at Yosemite West

Tim Crafts has gone to Yosemite West to check the condition of the snow equipment. He estimates that it will take between 50 and 60 hours to repair the plow frame and build up the blower. The cost to hire a low boy trailer to transport both pieces of equipment would be \$400 to \$500 each and would take approximately 10 hours round trip for each piece. The cost for someone else to rebuild the frame would be about \$1,600, that would require about 40 hours of the estimated 50 to 60 hours.

As you are aware, we are undermanned at this time and this would impair getting the County equipment ready for the impending season. My recommendations would be to hire out the work.

dp

cc: ✓ Greg Wass