

DEPARTMENT: Public Works

By: Bruce A. Atkinson

Phone: 966-5356

**RECOMMENDED ACTION AND JUSTIFICATION:**

(Policy Item: Yes    No X)

Resolution Authorizing Public Works to purchase a new Trimble Pathfinder Pro XRS Receiver System and Training from the State of California Multiple Award Schedule (CMAS) Contract # 4-95-66-0001A (Trimble) expiration 11/30/2000.

During budget deliberations the Board approved the appropriation of funds (see Attachment #1). Attachment #2 is a Fixed Asset Request. Vendor pricing for the equipment and warranty is \$12,225 plus tax, with an additional \$1,000 for one day of on-site training by a Trimble Certified Trainer (see Attachment #3). Attachment #4 is a copy of the CMAS schedule.

**BACKGROUND AND HISTORY OF BOARD ACTIONS:**

The Board has previously authorized purchases from the State of California for vehicles and equipment.

**LIST ALTERNATIVES AND CONSEQUENCES OF NEGATIVE ACTION:**

Do not approve purchase from State Contract and require Public Works to go through open bidding process which will take an additional time and likely result in higher bids.

COSTS: ( ) Not Applicable	
A. Budgeted current FY>	\$ 15,188
B. Total anticipated Costs>	\$ 14,111
C. Required additional funding>	\$ 0
D. Internal transfers>	\$

COSTS: ( ) 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 Appropriation (1 page)
- 2. Fixed Asset Request (8 pages)
- 3. Copy of proposal (2 pages)
- 4. Copy of CMAS (2 pages)

**CLERK'S USE ONLY**

Res. No. 2227 Ord. No.: \_\_\_\_\_

Vote - Ayes: 5 Noes: \_\_\_\_\_

Absent: \_\_\_\_\_ Abstained: \_\_\_\_\_

- Approved  Denied
- Minute Order Attached  No Action Necessary

The foregoing instrument is a correct copy of the original on file in this office

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

ATTEST: \_\_\_\_\_  
MARGIE WILLIAMS, Clerk of the Board

By: \_\_\_\_\_  
Deputy

**ADMINISTRATIVE OFFICER'S RECOMMENDATION:**

This item on agenda as:

- Recommended
- Not Recommended
- For Policy Determination
- Submitted with Comment
- Returned for Further Action

Comment: \_\_\_\_\_

C.A.O. Initials: JA

STATE CONTROLLER  
COUNTY BUDGET ACT  
SCHEDULE 9

COUNTY OF MARIPOSA  
STATE OF CALIFORNIA  
BUDGET UNIT FINANCING USES DETAIL

BUDGET TITLE: TRANSPORTATION PLANNING  
FUNCTION: PUBLIC PROTECTION  
ACTIVITY: OTHER PROTECTION

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1997-98 ACTUALS	1998-99 ACTUALS	1998-99 ADOPTED BUDGET	1999-00 DEPT REQUEST	1999-00 CAO RECOMMENDED	1999-00 ADOPTED BUDGET
033-0251-577.04-06	COMMUNICATIONS	93	813	100	200	200	200
033-0251-577.04-10	INSURANCE	52	69	69	797	797	797
033-0251-577.04-17	OFFICE EXPENSE	732	924	850	850	850	850
033-0251-577.04-18	CONTRACTS	27,000	17,477	13,375	45,482	45,482	45,482
033-0251-577.04-19	AUDITS	12,000	0	3,000	3,000	3,000	3,000
033-0251-577.04-20	IN-COUNTY SERVICES	0	45,469	48,298	19,000	25,648	25,648
033-0251-577.04-29	PUBLICATIONS/LEGAL NOTICE	119	36	200	200	200	200
033-0251-577.04-35	COST ALLOCATION	593	0	593	0	0	0
033-0251-577.04-49	TRAINING & SEMINARS	214	0	0	0	0	0
033-0251-577.04-50	COUNTY VEHICLE EXPENSE	620	824	600	1,000	1,000	1,000
033-0251-577.04-57	PRIVATE VEHICLE USE	104	0	0	0	0	0
033-0251-577.04-75	COST ALLOCATION	0	1,246	0	1,241	1,241	1,241
033-0251-577.04-80	EQUIP UNDER \$1000	898	0	0	1,500	1,500	1,500
033-0251-577.04-81	SOFTWARE	2,597	0	0	500	500	500
033-0251-577.04-90	TRAINING & SEMINARS	0	591	1,500	1,500	1,500	1,500
033-0251-577.04-91	PRIVATE VEHICLE USE	0	241	350	0	0	0
* TRANS PLANNING SERVICES		45,022	65,198	68,935	75,270	81,918	81,918
033-0251-577.06-40	COMPUTER	0	0	0	1,500	1,500	1,500
033-0251-577.06-41	GPS RECEIVER	0	0	0	0	0	15,188
* FIXED ASSETS		0	0	0	1,500	1,500	16,688
** TRANSPORTATION PLANNING		78,959	65,220	68,935	122,484	128,165	143,353
*** EXPENDITURE		78,959	65,220	68,935	122,484	128,165	143,353
		22,350-	45,790-	179	5,681-		0

ATTACHMENT 1

FIXED ASSET REQUEST

Department Transportation Planning

Budget Unit: 033-0251-577

Quantity: 1

Item: GPS Receiver

Department

Estimate: Quantity: 1 x Unit \$ 15,189 = Total \$ 15,189

Description and Justification: (Use reverse for continuation)

A requirement to continue using State Transportation Improvement Program (STIP) funds for local road rehabilitation projects is that the County have a current Pavement Management System (PMS), as well as a methodology for choosing rehabilitation projects based on the PMS. The GPS enhances the development of the PMS by accurately measuring (up to the sub-meter level) multiple points and allowing staff to attach descriptive information to the points. This information can then be entered into a Geographic Information System or used with CAD software to develop maps, traffic models, and road construction projects.

Facility modification required for installation: (check applicable line and attach details)

- Walls: added/moved/removed
- Doors: added/removed/widened/blocked
- Windows: added/removed/blocked
- Floor: reinforced/carpet/tile added/removed
- Lighting: added/moved/removed
- Plumbing: add/remove: sewer/water/fixtures
- Power: add/remove: plugs, 208-230 service

Replacement:  Yes  No

If the item is replacement, complete the following:

County Property Tag No.	Year Purchased	Estimated Value
_____	_____	_____

Current Condition: (Include odometer reading for vehicles) \_\_\_\_\_

Department Head: *M* Date: 8/20/99

Administration Recommendation: \_\_\_\_\_ Date: \_\_\_\_\_

AUDITOR ACTION

Account Number: \_\_\_\_\_ Amount: \_\_\_\_\_

Ken Hawkins, Auditor Date: \_\_\_\_\_

# LOCAL TRANSPORTATION COMMISSION

## COMMISSIONERS

DISTRICT 1.....PATTI A. REILLY  
DISTRICT 2.....DOUG BALMAIN  
DISTRICT 3.....ROBERT C. STEWART  
DISTRICT 4.....GARRY R. PARKER  
DISTRICT 5.....BOB PICKARD




5100 Bullion Street  
P.O. Box 2039  
Mariposa, CA 95338-2039

(209) 966-5151  
FAX (209) 742-5024  
e-mail: [planning@co.mariposa.ca.us](mailto:planning@co.mariposa.ca.us)  
Web Site: [www.co.mariposa.ca.us](http://www.co.mariposa.ca.us)

## MEMORANDUM

DATE: August 20, 1999

TO: Marty Allen  
Public Works Fiscal Manager

FROM: David Walker   
Transportation Planner

REGARDING: Purchase of GPS receiver at a cost of approximately \$  
15,000 using Local Transportation Funds

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The Global Positioning System (GPS) will initially be used by Public Works engineering to update the County's Pavement Management System (PMS). The approximate cost of the type of system necessary is approximately \$ 15,000, and a brochure of an example system is attached. The purchase will be made using the Transportation Planning allocation of Local Transportation Funds.

A requirement to continue using State Transportation Improvement Program (STIP) funds for local road rehabilitation projects is that the County have a current PMS, as well as a methodology for choosing rehabilitation projects based on the PMS. The GPS enhances the development of the PMS by accurately measuring (up to the sub-meter level) multiple points and allowing staff to attach descriptive information to the points. This information can then be entered into a Geographic Information System or used with CAD software to develop maps, traffic models, and road construction projects. Examples of road related information that can be collected with the GPS are pavement conditions, roadway lengths and travel times, bridge and sign locations, encroachment and easement locations, roadway widths and right of way information. The GPS can also be used for a wide variety of other mapping functions such as establishing the location of utility lines, access covers, fire hydrants, motor vehicle accident locations, and land management functions.