MARIPOSA COUNTY  
BOARD OF SUPERVISORS  

AGENDA ACTION FORM  

AGENDA DATA: 06/20/00  

DEPARTMENT: Public Works  
By: Bruce A. Atkinson  
Phone: 966-5356  

RECOMMENDED ACTION AND JUSTIFICATION:  
(Policy Item: Yes _ No X_)  

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.  

<table>
<thead>
<tr>
<th>COSTS:</th>
<th>( ) Not Applicable</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>A. Budgeted current FY&gt;</td>
<td>$15,188</td>
<td></td>
</tr>
<tr>
<td>B. Total anticipated Costs&gt;</td>
<td>$14,111</td>
<td></td>
</tr>
<tr>
<td>C. Required additional funding&gt;</td>
<td>$0</td>
<td></td>
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<tr>
<td>D. Internal transfers&gt;</td>
<td>$</td>
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<table>
<thead>
<tr>
<th>COSTS:</th>
<th>( ) 4/5th Vote Required</th>
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<tbody>
<tr>
<td>A. Unanticipated revenues&gt;</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>B. Reserve for contingencies&gt;</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>C. Source description:</td>
<td>&gt;</td>
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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. 54427  
Ord. No.:  
Vote - Ayes: 5  
Noes:  
Absent:  
Abstained:  

\[\checkmark\] Approved  
\[\blacksquare\] Denied  
\[\square\] Minute Order Attached  
\[\square\] 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:  
\[\checkmark\] Recommended  
\[\blacksquare\] Not Recommended  
\[\square\] For Policy Determination  
\[\square\] Submitted with Comment  
\[\square\] Returned for Further Action  

Comment:  

C.A.O. Initials:  

Action Form Revised 8/20/94
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**Transport Planning Services**

|                        |                             | 45,022          | 65,198          | 68,935                 | 75,270                 | 81,918                 | 81,918                 |

**Computer**

|                        |                             | 0               | 0               | 0                      | 1,500                  | 1,500                  | 1,500                  |

**GPS Receiver**

|                        |                             | 0               | 0               | 0                      | 0                      | 0                      | 16,168                 |

**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                      | 0                      |
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 x No

If the item is replacement, complete the following:

County Property Tag No. Purchased Estimated Value

Current Condition: (Include odometer reading for vehicles)

______________________________

Department Head: Date: 8/20/99

Administration Recommendation:

AUDITOR ACTION

Account Number: Amount:

Ken Hawkins, Auditor Date:
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

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.