



**MEMORANDUM
ADMINISTRATIVE SERVICES
PROCUREMENT DIVISION
County of Placer**

TO: Honorable Board of Supervisors
FROM: Brett Wood, Purchasing Manager
SUBJECT: GPS Trimble Unit & GPS Software Upgrade- California Survey and Drafting Supply

DATE: July 12, 2016

ACTION REQUESTED

Approve a budget revision in the amount of \$10,140 within the appropriate accounts of the Department of Public Works and Facilities FY 2016-17 Proposed Budget; and

Add the Trimble GPS equipment to the County's FY 2016-17 Master Fixed Asset List; and

Approve a purchase order with California Survey and Drafting Supply of Sacramento, CA for the acquisition of the GPS Trimble Unit and GPS software upgrade in the maximum amount of \$10,140. Funding is provided by the Department of Public Works and Facilities FY 2016-17 Proposed Budget; and

Authorize the Purchasing Manager to sign all required documents.

BACKGROUND

In 2005 the Department of Public Works and Facilities – Tahoe Engineering Division (Division) acquired a handheld Trimble GPS device in order to conduct various surveying and data collection for specific projects in the Tahoe area. In unification with the handheld GPS unit, the system requires a software system that can transfer the data from the handheld device into a computer database.

The original Trimble GPS unit while helpful has experienced connectivity issues when working in dense canopy areas surrounding many of our Tahoe locations. The updated Trimble device utilizes new technology has brought about tools such as a Google Earth that significantly increase the efficiency of the unit.

With pending projects and a recently approved (Off Highway Vehicle) OHV grant, the Division has identified a need to update their current handheld Trimble GPS device as well as the operating software. This upgrade would assist in lying out and planning our trail alignments with Truckee River Access Trail and North Tahoe Trail. This new technology will include several features that the old system did not have including the ability to allow for satellite positioning under heavy tree canopy cover – a necessity in Tahoe.

The software package recommended includes TerraSync and Pathfinder Office. TerraSync in the field is intuitive and allows for uploading of shape files (such as a parcel ownership map or land use map, Caltrans ROW etc.) which can be printed and used as field reference material. Pathfinder Office allows you to import and export to Google Earth Pro and ArcView.

The software upgrade will be provided by California Surveying and Drafting Supply. The total installation cost for the Trimble handheld GPS unit and software upgrade is \$10,140 and includes a Geo 7x handheld GPS device, TerraSync Professional Software with GPS Pathfinder Office and one (1) year local tech support.

Therefore, in order to proceed with the acquisition and implementation of the new unit and software, your Board's approval is required.

FISCAL IMPACT

Funding for this purchase is 100% Grant funded with no net county cost to the County for the FY16/17 Budget.

Attachment: Master Fixed Asset List
Budget Revision

cc: Peter Kraatz, Deputy Director of Department of Public Works and Facilities
Cynthia Taylor, Administrative Services Manager

MASTER FIXED ASSET LIST
Appropriation 11230

Description	Quantity	Amount
Trimble GPS Devise	1 @ 10,140	\$10,140
Total Addition to Master Fixed Assets		<hr/> <u>\$10,140</u>

BUDGET REVISION

POST DATE: _____

DEPT NO.	DOC TYPE	Total \$ Amount	TOTAL LINES
19	BR	\$ 20,280.00	2

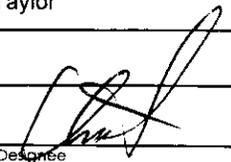
Cash Transfer Required
Fund: _____
SUB Fund: _____

Establish Reserve Required
GL: _____
SUB GL: _____

Reserve Cancellation Required
GL: _____
SUB GL: _____

ESTIMATED REVENUE ADJUSTMENT											APPROPRIATION ADJUSTMENT												
DEPT NO.	T/C	Rev	Fund	Sub Fund	OCA	PCA	OBJ 3	PROJ.	PROJ. DTL	AMOUNT	DEPT NO.	T/C	Rev	Fund	Sub Fund	OCA	PCA	OBJ 3	PROJ.	PROJ. DTL	AMOUNT		
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TOTAL										\$ 10,140.00	TOTAL										\$ 10,140.00		

REASON FOR REVISION: BUDGET REVISION to increase expense appn object level 3# 4451 Fixed Asset Equipment by \$10,140 and increase revenue appn object level #3 8780 Contributions From Other Funds by \$10,140 to procure a Trimble GPS unit per attached quote 6201. The item needs to be added to the Master Fixed Asset List. This purchase is 100% Grant funded.

Department Head: Ken Grehm/Cynthia Taylor
 Auditor: Marcy Glisson
 County Executive Office: 
County Executive Officer or Designee

Board Date: 06/10/16
 Page: 1 of 2
 Technical Revision: 1

Approved by Board of Supervisors: _____
Clerk of the Board of Supervisors Office

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