

FORM APPROVED COUNTY COUNSEL  
BY: 4/13/13 DATE  
4/13/13  
MARSHAL VICTOR

**SUBMITTAL TO THE BOARD OF SUPERVISORS  
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

113A



**FROM:** TLMA - Transportation Department

**SUBMITTAL DATE:**  
April 11, 2013

**SUBJECT:** Countywide Traffic Signal Battery Backup System and LED Modules Improvement Project at Various Locations, Phase 3

**RECOMMENDED MOTION:** That the Board of Supervisors:

1. Approve the specifications and contract documents for the Countywide Traffic Signal Battery Backup System and LED Modules Improvement Project at various locations, Phase 3, and;
2. Authorize the Clerk of the Board to advertise for bids to be received in the office of the Director of Transportation up to the hour of 2:00 p.m., Wednesday, May 15, 2013, at which time bids will be opened.

Juan C. Perez  
Director of Transportation and Land Management

JCP:jrs:sb  
(Continued On Attached Page)

<b>FINANCIAL DATA</b>	Current F.Y. Total Cost:	\$ 178,163	In Current Year Budget:	Yes
	Current F.Y. Net County Cost:	\$ 0	Budget Adjustment:	No
	Annual Net County Cost:	\$ 0	For Fiscal Year:	2012/2013

**SOURCE OF FUNDS:** Proposition 111(Gas Tax) (100%)

**Positions To Be Deleted Per A-30** ☐

There are no General Funds used in this project.

**Requires 4/5 Vote** ☐

**C.E.O. RECOMMENDATION:**

**APPROVE**

BY:   
Tina Grande

**County Executive Office Signature**

☒ Policy

☐ Consent

Dep't Recomm.:  
Per Exec. Ofc.:

**Prev. Agn. Ref.**

**District:** All

**Agenda Number:**

ATTACHMENTS FILED  
WITH THE CLERK OF THE BOARD

3-64

The Honorable Board of Supervisors

RE: Countywide Traffic Signal Battery Backup System and LED Modules Improvement Project  
at Various Locations, Phase 3

April 11, 2013

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**BACKGROUND:**

The Transportation Improvement Program (TIP) provides for the subject improvements. This project includes replacing and retrofitting existing green and red traffic signal indications with new LED modules and installing battery backup systems throughout Riverside County at various signalized intersections in three phases. Phase 1 and Phase 2 have been completed. Phase 1 retrofitted 47 locations, and Phase 2 retrofitted 37 locations throughout the County. Phase 3 is the final phase, which includes 23 locations. A list of these locations is attached. Countywide, amber traffic signal indications were retrofitted with LED modules in 2012 under a separate project, which was federally funded by the Energy Efficiency and Conservation Block Grant (EECBG) program.

The battery backup system improvements allow traffic signals to stay in operation, or flash red, for several hours during power outages in order to maintain controlled traffic movements. These improvements will minimize traffic delays and congestion and improve safety at the signalized intersections during power outages rather than relying on drivers to stop at not-operational signals as required by the California Vehicle Code. The Transportation Department's policy requires that battery backup systems be installed in all new signal installations.

Retrofitting non-LED indications and replacing old LED indications with more energy-efficient LED hardware will reduce power consumption and prolong traffic signal operation when operating on battery power.

The submitted contract documents and specifications have been approved as to form by County Counsel.

Environmental clearance is complete.

Project No.: B9-0996

**COUNTYWIDE TRAFFIC SIGNAL BATTERY BACKUP SYSTEM AND LED MODULE IMPROVEMENT PROJECT AT VARIOUS LOCATIONS, PHASE 3**

No.	INTERSECTION	12" RED ARW LED		12" GRN ARW LED		12" RED BALL LED		12" GRN BALL LED		PV RED LED		PV GRN LED	
1	VAN BUREN BLV		2	2	7	7	1	7	1	1	1	1	1
2	WOOD RD		6	10	12	12	-	12	-	-	-	-	-
3	WOOD RD		3	6	9	9	-	9	-	-	-	-	-
4	HARVILL AVE		-	-	-	-	-	-	-	-	-	-	-
5	DUNLAP DR		8	8	12	12	-	12	-	-	-	-	-
6	RAMONA EXPY		4	4	10	10	-	10	-	-	-	-	-
7	RAMONA EXPY		8	8	10	10	-	10	-	-	-	-	-
8	MOUNTAIN		1	3	10	10	1	9	1	1	1	1	1
9	GRAND AVE		5	6	11	11	-	11	-	-	-	-	-
10	GRAND AVE		2	4	9	9	-	8	-	-	-	-	-
11	LEON RD		8	8	13	13	-	13	-	-	-	-	-
12	LEON RD		4	4	13	13	-	13	-	-	-	-	-
13	WASHINGTON ST		8	8	14	14	-	14	-	-	-	-	-
14	BENTON RD		4	4	13	13	-	13	-	-	-	-	-
15	BENTON RD		4	4	14	14	-	14	-	-	-	-	-
16	BENTON RD		4	4	14	14	-	14	-	-	-	-	-
17	POURROY RD		2	4	11	11	-	10	-	-	-	-	-
18	POURROY RD		4	4	14	14	-	14	-	-	-	-	-
19	BUTTERFIELD STAGE RD		8	8	12	12	-	12	-	-	-	-	-
20	CHERRY VALLEY BLV		8	8	11	11	-	11	-	-	-	-	-
21	BEAUMONT AVE		6	6	8	8	2	8	2	2	2	2	2
22	BEAUMONT AVE		8	8	12	12	-	12	-	-	-	-	-
23	DILLON RD		4	4	12	12	4	12	4	4	4	4	4
TOTAL			111	125	251	248	8	248	8	8	8	8	8

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