

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

121A



FROM: TLMA - Transportation Department

SUBMITTAL DATE:
September 1, 2010

SUBJECT: Countywide Traffic Signal battery backup system and LED modules improvement project at various locations, Phase 1.

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 1.
2. Authorize the Clerk to advertise for bids to be received in the office of the Director of Transportation up to the hour of 2:00 pm, Wednesday, October 6, 2010, at which time bids will be opened.

BACKGROUND: The Transportation Improvement Program (TIP) provides for the replacement

Juan C. Perez
Director of Transportation

JCP:jjr:sb
(Continued On Attached Page)

FINANCIAL DATA	Current F.Y. Total Cost:	\$ 400,415	In Current Year Budget:	Yes
	Current F.Y. Net County Cost:	\$ 0	Budget Adjustment:	No
	Annual Net County Cost:	\$ 0	For Fiscal Year:	2010/2011

SOURCE OF FUNDS: Gas Tax (100%)	Positions To Be Deleted Per A-30	<input type="checkbox"/>
	Requires 4/5 Vote	<input type="checkbox"/>

C.E.O. RECOMMENDATION:

APPROVE

BY:
Tina Grande

County Executive Office Signature

FOR THE PROVEK COUNTY COUNSEL
BY:
NEAL R. KIPNIS DATE: 9/25/10 Departmental Concurrence

Dept Recomm.: Consent Policy

Per Exec. Ofc.: Consent Policy

Prev. Agn. Ref. 12/9/08, Item 2.3 | **District:** All | **Agenda Number:**

3.41

The Honorable Board of Supervisors

RE: Countywide Traffic Signal battery backup system and LED modules improvement project at various locations, Phase 1.

September 1, 2010

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and retrofitting of traffic signals with the subject improvements. This project includes replacing and retrofitting existing green and red traffic signal indications with new LED modules and installing battery back up systems throughout Riverside County at various signalized intersections in four phases. There are 47 locations for Phase 1 listed in Attachment "A". Phase 2, 3 and 4 projects are planned for subsequent years. The Countywide yellow traffic signal indications will be retrofitted with LED modules under a separate project which is federally funded by the Energy Efficiency and Conservation Block Grant (EECBG) program.

The battery backup system improvements would allow traffic signals to stay in operation during power outages, or flash red, for several hours 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 dark signals as required by the State vehicle code. The County requires that battery backup systems are to be installed in all new signal installations.

The retrofitting of non-LED indications and replacement of old LED indications with more energy efficient LED indications 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.

Project No.: B9-0996

COUNTYWIDE TRAFFIC SIGNAL BATTERY BACKUP SYSTEM AND LED MODULE IMPROVEMENT PROJECT AT VARIOUS LOCATIONS, PHASE 1 ATTACHMENT "A"

NO	INTERSECTION	SUPERVISOR DISTRICT	CABINET TYPE	BBS INSTALLED EXTERNAL TO EXIST CABINET	BBS INSTALLED INTERNAL TO EXIST CONTROLLER CABINET	12" RED ARW LED	12" GRN BALL LED	12" RED BALL LED	12" GRN BALL LED	PV RED LED	PV GRN LED
1	LA SIERRA AVE	1	332	EXTERNAL MOUNT	-	2	4	10	9	-	-
2	LA SIERRA AVE	1	332	EXTERNAL MOUNT	-	2	6	11	8	-	-
3	LA SIERRA AVE	1	332	EXTERNAL MOUNT	-	2	6	10	7	-	-
4	LA SIERRA AVE	1	332	EXTERNAL MOUNT	-	3	4	9	9	-	-
5	VAN BUREN BLV	1	333JP	-	-	2	6	12	11	-	-
6	VAN BUREN BLV	1	333JP	-	INTERNAL MOUNT	4	4	12	12	-	-
7	VAN BUREN BLV	1	333JP	-	INTERNAL MOUNT	4	4	10	10	-	-
8	VAN BUREN BLV	1	332	EXTERNAL MOUNT	-	4	10	13	11	-	-
9	VAN BUREN BLV	1	332	EXTERNAL MOUNT	-	8	8	12	12	-	-
10	VAN BUREN BLV	1	332	EXTERNAL MOUNT	-	4	4	12	12	-	-
11	VAN BUREN BLV	1	332	EXTERNAL MOUNT	-	4	4	14	14	-	-
12	ETIWANDA AVE	2	332	EXTERNAL MOUNT	-	4	4	16	16	1	1
13	ETIWANDA AVE	2	332	EXTERNAL MOUNT	-	4	4	14	14	-	-
14	ETIWANDA AVE	2	332	-	-	4	4	14	14	-	-
15	ETIWANDA AVE	2	333JP	-	-	8	8	16	16	-	-
16	ETIWANDA AVE	2	333JP	-	INTERNAL MOUNT	4	10	13	11	-	-
17	ETIWANDA AVE	2	332	EXTERNAL MOUNT	-	4	4	14	14	-	-
18	ETIWANDA AVE	2	332	EXTERNAL MOUNT	-	4	4	13	13	-	-
19	ETIWANDA AVE	2	333JP	-	INTERNAL MOUNT	4	2	16	16	2	2
20	ETIWANDA AVE	2	333JP	-	INTERNAL MOUNT	4	6	14	14	2	2
21	MAGNOLIA AVE	2	332	EXTERNAL MOUNT	-	4	4	12	12	-	-
22	MAGNOLIA AVE	2	332	EXTERNAL MOUNT	-	4	4	12	12	-	-
23	MAGNOLIA AVE	2	332	EXTERNAL MOUNT	-	8	8	12	12	-	-
24	MAGNOLIA AVE	2	332	EXTERNAL MOUNT	-	2	4	13	8	2	4
25	MISSION BLV	2	332	EXTERNAL MOUNT	-	-	-	-	-	-	-
26	MISSION BLV	2	332	EXTERNAL MOUNT	-	-	-	-	-	-	-
27	MISSION BLV	2	332	EXTERNAL MOUNT	-	-	-	-	-	-	-
28	MISSION BLV	2	332	EXTERNAL MOUNT	-	-	-	-	-	-	-
29	MISSION BLV	2	332	EXTERNAL MOUNT	-	7	9	10	10	-	-
30	MISSION BLV	2	332	EXTERNAL MOUNT	-	-	-	-	-	-	-
31	MISSION BLV	2	332	EXTERNAL MOUNT	-	5	8	9	8	4	4
32	MISSION BLV	2	332	EXTERNAL MOUNT	-	-	-	-	-	-	-
33	MISSION BLV	2	332	EXTERNAL MOUNT	-	-	-	-	-	-	-
34	DOMENIGONI PKY	3	332	EXTERNAL MOUNT	-	8	8	14	14	-	-
35	DOMENIGONI PKY	3	TYPE P	EXTERNAL MOUNT	-	4	4	16	16	-	-
36	MURRIETA HOT SPRINGS RD	3	332	EXTERNAL MOUNT	-	4	4	16	16	-	-
37	MURRIETA HOT SPRINGS RD	3	332	EXTERNAL MOUNT	-	4	4	16	16	-	-
38	MURRIETA HOT SPRINGS RD	3	332	EXTERNAL MOUNT	-	4	4	16	16	-	-
39	VARNER RD	4	332	EXTERNAL MOUNT	-	8	8	10	10	3	3
40	VARNER RD	4	332	EXTERNAL MOUNT	-	6	8	15	15	-	-
41	WASHINGTON ST	4	332	EXTERNAL MOUNT	-	8	10	12	12	-	-
42	WASHINGTON ST	4	332	EXTERNAL MOUNT	-	3	6	8	6	-	-
43	WASHINGTON ST	4	332	EXTERNAL MOUNT	-	8	10	14	14	-	-

44	CENTER ST	IOWA AVE	5	332	EXTERNAL MOUNT	-	6	8	10	10	-	-
45	CENTER ST	STEPHENS AVE	5	TYPE P	EXTERNAL MOUNT	-	-	4	13	11	-	-
46	RAMONA EXY	DAVIS RD/HANSEN AVE	5	332	EXTERNAL MOUNT	-	4	4	14	14	-	-
47	RECHE CANYON RD	RECHE VISTA DR	5	332	EXTERNAL MOUNT	-	-	6	10	7	-	-
					TOTAL	5	176	233	52	486	16	18

DISTRICT 1	10
DISTRICT 2	20
DISTRICT 3	5
DISTRICT 4	5
DISTRICT 5	4
TOTAL	44