

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

108 A



FROM: TLMA - Transportation Department

SUBMITTAL DATE:
March 1, 2012

SUBJECT: Countywide Traffic Signal battery backup system and LED modules improvement project at various locations, Phase 2.

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 2, and;
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, April 11, 2012 at which time bids will be opened.

Juan C. Perez
Director of Transportation

JCP:jrsb
(Continued On Attached Page)

FINANCIAL DATA	Current F.Y. Total Cost:	\$ 235,084	In Current Year Budget:	Yes
	Current F.Y. Net County Cost:	\$ 0	Budget Adjustment:	No
	Annual Net County Cost:	\$ 0	For Fiscal Year:	2011/2012

SOURCE OF FUNDS: Gas Tax (100%)	Positions To Be Deleted Per A-30	<input type="checkbox"/>
There are no General Funds used in this project.	Requires 4/5 Vote	<input type="checkbox"/>

C.E.O. RECOMMENDATION: APPROVE
BY:
Tina Grande

County Executive Office Signature

FORM APPROVED COUNTY COUNSEL
BY:
MARSHAL VICTOR
DATE: 3/5/12
Departmental Concurrence

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

Prev. Agn. Ref. | District: All | Agenda Number:

ATTACHMENTS FILED
WITH THE CLERK OF THE BOARD

3.21

The Honorable Board of Supervisors

RE: Countywide Traffic Signal battery backup system and LED modules improvement project at various locations, Phase 2.

March 1, 2012

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BACKGROUND:

The Transportation Improvement Program (TIP) provides for the replacement 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 backup systems throughout Riverside County at various signalized intersections in three phases. Phase 1 is in construction and near completion. There are 47 locations being retrofitted throughout the County with phase 1. Phase 2 includes 37 locations and a list of these locations is attached. Phase 3 locations are planned for subsequent years. Countywide, yellow traffic signal indications are being 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 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 California Vehicle Code. The Transportation Department's Policy requires battery backup systems 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 2

No.	INTERSECTION	CABINET TYPE	REPLACE TRAFFIC SIGNAL BREAKER WITH NEW 30 AMP 1 POLE BREAKER	REPLACE CONDUCTORS SERVICE CABINET TO CONTROLLER CABINET WITH 3#10 AWG	CONCRETE PAD FOR BBS CABINET	BBS INSTALLED EXTERNAL TO EXIST CONTROLLER CABINET	BBS INSTALLED INTERNAL TO EXIST CONTROLLER CABINET	12" RED ARW LED	12" GRN ARW LED	12" RED BALL LED	12" GRN BALL LED	PV RED LED	PV GRN LED
1	CAJALCO RD	332	1	105'	-	EXTERNAL MOUNT	-	2	5	8	6	-	-
2	CAJALCO RD	332	1	120'	3' X 5'	EXTERNAL MOUNT	-	2	6	10	7	-	-
3	CAJALCO RD	332	1	90'	-	EXTERNAL MOUNT	-	4	4	14	14	-	-
4	CAJALCO RD	333JP	1	105'	-	-	INTERNAL MOUNT	4	4	10	10	-	-
5	CAJALCO RD	333JP	1	150'	-	-	INTERNAL MOUNT	2	2	10	10	2	2
6	CAJALCO EXY	332	1	120'	-	EXTERNAL MOUNT	-	8	12	13	13	-	-
7	CENTRAL AVE	332	1	90'	2' X 9'	EXTERNAL MOUNT	-	8	8	13	13	-	-
8	KNABE RD	332	1	180'	2' X 9'	EXTERNAL MOUNT	-	8	10	13	13	-	-
9	KNABE RD	332	1	90'	2' X 9'	EXTERNAL MOUNT	-	2	3	10	9	-	-
10	KNABE RD	332	1	90'	2' X 9'	EXTERNAL MOUNT	-	2	2	10	10	-	-
11	TEMESCAL CANYON RD	332	1	105'	-	EXTERNAL MOUNT	-	4	8	15	13	-	-
12	TRILGY PKWY	332	1	135'	-	EXTERNAL MOUNT	-	-	-	-	-	-	-
13	TRILGY PKWY	332	1	135'	-	EXTERNAL MOUNT	-	4	4	14	14	-	-
14	TRILGY PKWY	332	1	150'	-	EXTERNAL MOUNT	-	3	4	9	9	-	-
15	TEMESCAL CANYON RD	332	1	105'	2' X 9'	EXTERNAL MOUNT	-	3	4	8	8	-	-
16	MAYHEW CANYON RD	332	1	105'	2' X 9'	EXTERNAL MOUNT	-	-	-	-	-	-	-
17	DE PALMA RD/CAMPBELL RANCH RD	333	1	120'	2' X 9'	EXTERNAL MOUNT	-	6	10	12	12	-	-
18	DE PALMA RD	332	1	90'	-	EXTERNAL MOUNT	-	-	-	-	-	-	-
19	ACACIA AVE	333JP	1	180'	-	-	INTERNAL MOUNT	-	-	12	12	-	-
20	ACACIA AVE	333JP	1	120'	2' X 4'	-	INTERNAL MOUNT	-	4	12	10	-	-
21	ACACIA AVE	333JP	1	105'	2' X 4'	-	INTERNAL MOUNT	-	-	12	12	-	-
22	STETSON AVE	333JP	1	90'	2' X 4'	-	INTERNAL MOUNT	2	2	13	13	2	2
23	STETSON AVE	333JP	1	120'	-	-	INTERNAL MOUNT	2	2	11	11	2	2
24	STETSON AVE	90	1	120'	2' X 4'	EXTERNAL MOUNT	-	2	2	11	11	2	2
25	STETSON AVE	90	1	150'	-	EXTERNAL MOUNT	-	4	4	11	11	-	-
26	STETSON AVE	333JP	1	105'	2' X 4'	-	INTERNAL MOUNT	8	8	10	10	-	-
27	JOHNSON LN	332	1	90'	2' X 9'	EXTERNAL MOUNT	-	2	6	10	8	-	-
28	BROADWAY ST	332	1	105'	2' X 9'	EXTERNAL MOUNT	-	4	4	13	13	-	-
29	DILLON RD	333JP	1	105'	2' X 4'	-	INTERNAL MOUNT	4	4	12	12	-	-
30	BOB HOPE DR	332	1	105'	2' X 9'	EXTERNAL MOUNT	-	8	8	13	13	-	-
31	BOB HOPE DR	332	1	195'	2' X 9'	EXTERNAL MOUNT	-	-	-	-	-	-	-
32	VARNER RD	332	1	90'	-	EXTERNAL MOUNT	-	4	4	8	8	4	4
33	VARNER RD	332	1	105'	-	EXTERNAL MOUNT	-	2	4	14	13	-	-
34	VARNER RD	332	1	90'	2' X 9'	EXTERNAL MOUNT	-	2	4	11	10	-	-
35	WASHINGTON ST	332	1	90'	-	EXTERNAL MOUNT	-	4	4	13	13	-	-
36	VARNER RD	332	1	105'	-	EXTERNAL MOUNT	-	4	4	12	12	-	-
37	YUCCA LN	332	1	120'	-	EXTERNAL MOUNT	-	4	4	12	12	-	-
	TOTAL		37	4275 L.F.	279 S.F.	28	9	130	174	402	387	12	12

COUNTY WIDE BATTERY BACKUP & LED RETROFIT PROJECT PHASE 2

