



TOWN OF FAIRFAX

STAFF REPORT

August 6, 2014

TO: Mayor and Town Council

FROM: Garrett Toy, Town Manager

SUBJECT: Purchase of two Rectangular Rapid Flashing Beacon (RRFB) systems in an amount not-to-exceed \$18,150 for the Center Blvd. mid-block crossings

RECOMMENDATION

- 1) Authorize the Town Manager to purchase two Carmanah R920 RRFB systems in an amount not-to-exceed \$18,150 for the Center Blvd. mid-block crossings
- 2) Appropriate \$20,000 into Fund 53-887 (Street Resurfacing and Repair)

DISCUSSION

The two existing in-ground flashing light systems in the mid-block crosswalks along Center Boulevard no longer work. Staff previously reported at a Council meeting that the manufacturer of the system has gone out of business and that staff was evaluating alternatives for the mid-block crossings. We have determined that it is more cost effective to replace the two existing mid-block crosswalks with Rectangular Rapid Flashing Beacon (RRFB) systems.

The existing in-ground systems, if the manufacturer remained in business, would require the in-ground lights to be replaced every 3-5 years at cost of approximately \$8,000. Two new in-ground systems would cost approximately \$30,000. In comparison, two new RRFB systems only cost \$18,150 and have nominal maintenance costs. RRFB systems have been shown to be significantly more effective in stopping traffic than in-ground flashing light systems. The RRFB systems are, in essence, strobe lights which flash when a pedestrian pushes the button. The RRFB systems are also solar powered and easy to install.

Parisi Transportation, who prepared the plans, prefers the Carmanah RRFB R920 systems. The quote was obtained directly from the manufacturer's designated vendor for the region.

FISCAL IMPACT

The Town originally budgeted Measure A transportation funding for this project in FY13-14. As result, we'll need to re-budget the funds to FY14-15 under capital improvements. The additional \$1,850 is the estimated cost for retaining a contractor to install the system should staff not have capacity to do so in a timely manner.

ATTACHMENT

Quote and plans

AGENDA ITEM # 6

JAM SERVICES, INC.

958 E Airway Blvd
LIVERMORE, CA 94550

Telephone (925) 455-5267
Fax (925) 455-5348

PRICE QUOTATION-JXM072214E

Town of Fairfax
07/22/14

JAM Services is pleased to provide the following price quotation for the subject project.

- | | | |
|--|-----------------------------|--------------------------|
| (4) R920 RRFB w/ Dual Lightbar, Bulldog PPB, and 4" Mount | UNIT PRICE: \$2,950.00/each | TOTAL PRICE \$ 11,800.00 |
| (10) W11-2 FYG 30x30 | UNIT PRICE: \$ 150.00/each | TOTAL PRICE \$ 1,500.00 |
| (8) W16-7p FYG 24x12 (4 Left, 4 Right) | UNIT PRICE: \$ 50.00/each | TOTAL PRICE \$ 400.00 |
| (2) W16-9p FYG 24x12 | UNIT PRICE: \$ 50.00/each | TOTAL PRICE \$ 100.00 |
| (6) Galvanized type 1-B 14' w/2006 Flange and Anchor Bolts | UNIT PRICE: \$ 475.00/each | TOTAL PRICE \$ 2,850.00 |

SUBTOTAL: \$16,650.00 PLUS 9% TAX

- | | | |
|--|---|-------------------------|
| (2) R920 RRFB W/ Single Lightbar, No PPB, and 4" Mount (If Required) | UNIT PRICE: \$ 2,375.00/each | TOTAL PRICE \$ 4,750.00 |
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OPTIONAL, NOT NEEDED

Prices include delivery, but are net of applicable sales tax. If I can be of further assistance, please contact me at 925-455-5267.

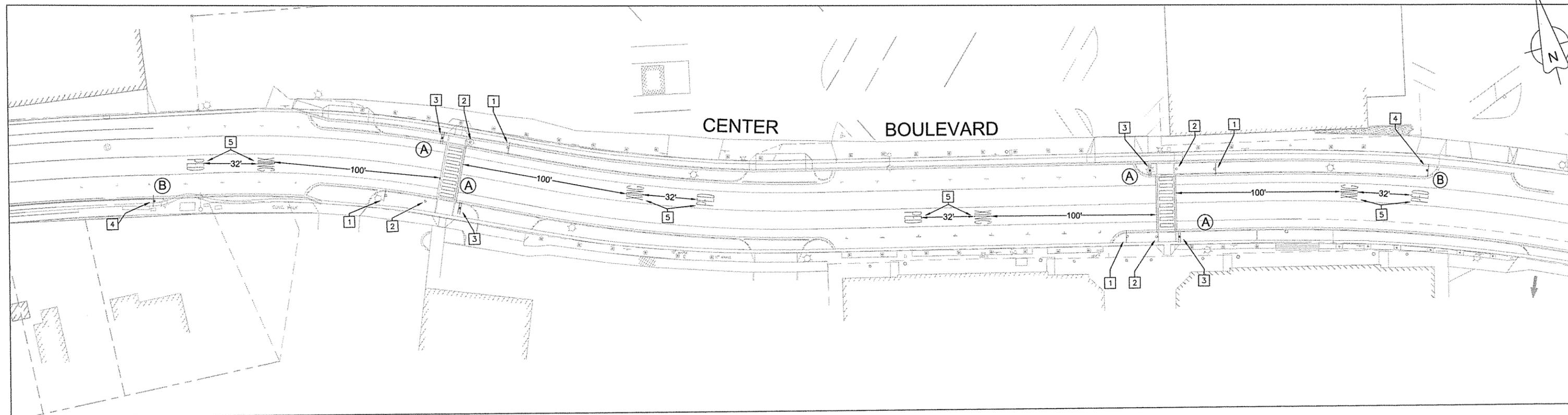
Thank you - Jason Momaney

GENERAL NOTES

- FOR ABBREVIATIONS AND LEGEND SEE STATE STD PLANS ES-1A, ES-1B & ES-1C.
- INSPECT AND VERIFY FIELD CONDITIONS BEFORE BIDDING.
- LOCATION OF POLES, PULL BOXES, CONDUIT, HAND HOLES, AND OTHER EQUIPMENT SHOWN ON THE PLANS ARE SCHEMATIC. CONTRACTOR SHALL LOCATE AND MARK LOCATION OF NEW EQUIPMENT AND OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO INSTALLATION, BEFORE BEGINNING ANY CONSTRUCTION OPERATION, THE CONTRACTOR SHALL CHECK FOR CONFLICTS WITH UNDERGROUND OR OVERHEAD UTILITIES OR OTHER OBSTACLES.
- POLE LOCATIONS SHALL BE DETERMINED PRIOR TO DRILLING FOR FOUNDATIONS. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, POLES WITH PEDESTRIAN PUSH BUTTONS SHALL BE WITHIN 5' OF CROSSWALK.
- THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE RESPECTIVE UTILITY COMPANIES AND AFFECTED AGENCIES FOR VERIFICATION OF LOCATION AND DEPTH OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (USA) 48 HOURS PRIOR TO PERFORMING ANY WORK. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL REQUIRED CLEARANCES FROM OVERHEAD AND UNDERGROUND UTILITIES.

- ALL STANDARD CONDUIT RUNS ARE SCHEMATIC ONLY.
- ALL WORK MATERIAL AND EQUIPMENT SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENT CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS.
- THE CONTRACTOR SHALL DELIVER ALL SALVAGED EQUIPMENT TO THE CITY DESIGNATED AREA OR AS DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL REPAIR, REPLACE AND RELOCATE ALL LANDSCAPING IRRIGATION, CURBS, SERVICES, SIDEWALK, ETC., DAMAGED DURING CONSTRUCTION OR OBSTRUCTING CONSTRUCTION AT NO ADDITIONAL COST.
- ANY DAMAGE TO THE CITY'S ELECTRICAL SYSTEMS AND/OR EQUIPMENT BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AND/OR REPLACED AT THE CONTRACTOR'S EXPENSE AND THE CITY SHALL BE PROMPTLY NOTIFIED. ANY REPAIRS AND/OR REPLACEMENTS TO THE CITY'S ELECTRICAL AND/OR EQUIPMENT SHALL BE APPROVED AND INSPECTED BY THE CITY.

- CONTRACTOR SHALL COORDINATE THE RELOCATION, MODIFICATION AND/OR REPLACEMENT OF EXISTING ELECTRICAL SERVICES WITH THE SERVING UTILITY COMPANY.
- TRAFFIC CONTROL MUST BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE "CALIFORNIA JOINT UTILITY TRAFFIC CONTROL MANUAL" ISSUED BY THE CALIFORNIA INTER-UTILITY COORDINATION COMMITTEE AND THE MOST RECENT CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- THE CONTRACTOR SHALL PREPARE AND SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY FOR WRITTEN APPROVAL PRIOR TO THE COMMENCEMENT OF ANY WORK.
- CONTRACTOR SHALL, BY HAND, POTHOLE EXISTING UTILITIES TO VERIFY LOCATIONS PRIOR TO CONSTRUCTION.
- ALL NEW VEHICLE AND PEDESTRIAN INDICATIONS SHALL BE LED.
- CONTRACTOR SHALL ADJUST TO GRADE ALL EXISTING PULL BOXES WITHIN NEW SIDEWALKS AND CURB RAMP AREAS.
- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.



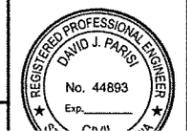
PROJECT NOTES

- REMOVE AND SALVAGE EXISTING SIGNS AND POST.
- REMOVE AND SALVAGE EXISTING POST, PEDESTRIAN PUSH BUTTON, AND SOLAR PANEL.
- INSTALL RECTANGULAR RAPID-FLASH BEACON SYSTEM (SEE POLE "B" IN EQUIPMENT AND POLE SCHEDULE.)
- INSTALL W11-2/W16-9P SIGNS (FLUORESCENT YELLOW GREEN) AND POLE (SEE POLE "A" IN EQUIPMENT AND POLE SCHEDULE).
- INSTALL "PED XING" STENCILS.

EQUIPMENT AND POLE SCHEDULE

POLE	SIGNAGE	SPECIAL REQUIREMENTS
(A)	W11-2/W16-7P	INSTALL RECTANGULAR RAPID-FLASH BEACON SYSTEM WITH TWO-WAY FACING LEDS AND SIGNS. INSTALL SOLAR-POWER PANEL AND FIXTURES. INSTALL WIRELESS TRANSMITTER. INSTALL PEDESTRIAN PUSH BUTTON AND SIGN (LEFT).
(B)	W11-2/W16-9P	NONE

Parisi
TRANSPORTATION CONSULTING
1750 Bridgeway, Suite B208
Sausalito, CA 94965
(415) 649-6000



DRAWN: ST CHECKED: DP

**TOWN OF FAIRFAX
CENTER BOULEVARD RECTANGULAR RAPID FLASHING BEACONS**

REVISIONS		DATE
①		07/10
②		PTC PI
③		CLIENT
④		1
⑤		SHEET