

MARIN GENERAL SERVICES AUTHORITY

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MEMORANDUM

DATE: May 12, 2011

TO: MGSA Board of Directors

FROM: Paul Berlant, Executive Officer

SUBJECT: AGENDA ITEM: C: Streetlight Repair Program

Recommendation Receive this report regarding streetlight repairs and provide direction regarding the 2011-12 streetlight repair program.

Streetlight Repairs Last year the Board approved a contract with Republic ITS to repair a large portion of the deficiencies found in the inventory and inspections conducted during the 2009. Attached is a repair log of the repairs that have been completed under the contract. All repairs/replacements budgeted for 2010-11 have been completed. One pole in Novato was substituted for another at the request of the City of Novato. The work was performed at the contracted cost of \$62,740.

As you will recall, the \$60,000 budgeted for this fiscal year was not expected to complete all needed repairs. I have worked with Republic to arrive at a proposed repair program for 2011-12 at a cost of up to \$40,000. We have developed at two options for the Board's consideration. The first is a schedule of repairs to complete the list which came out of the visual inspection completed in 2009, including replacing damaged lenses, replacing missing pole numbers, and repainting poles. A more detailed description of the work is provided below as Option One. The second option is to make repairs to restore power to existing streetlights in four locations that currently do not have power (mostly due to failed direct burial wiring). Three of these sites have been out for several months, while the third is relatively new. These sites include one in the unincorporated County, one at the County Civic Center, one in Sausalito and one in Larkspur. See the detailed description below titled Option Two.

At this time, I am requesting direction from the board as to which option, if either, the board wishes to pursue. I will return at the next meeting with a professional services agreement with Republic ITS based on direction from the Board. The benefit of Option One is that it completes the deficiencies found in 2009. The benefit of Option Two is to re-energize four lights which are currently inoperable. One consideration to keep in mind is that Option Two benefits three agencies, while Option One affects most MGSA members.

PG&E Smart Meters At the last Board meeting, pursuant to a request by the City of Novato, the Board approved the installation of a third Smart Meter relay device in Novato. I've signed and returned the license agreement. Payment to MGSA for the time spent by me and Mr. Byers to review the requests has been made. The license fee for the three devices has not yet been received.

2011-12 Streetlight Repair Program

Option One

1) Damaged Lenses: Standard glassware replacement is included in Republic's routine maintenance. However, Republic does not make specific trips just to replace those lenses when damaged. Such replacements are made only if they are already on-site and find the lens damaged while there replacing the lamp and/or photocell. Republic proposes to replace the 89 damaged lenses found during the 2009-10 inspection and not charge for material. Labor and truck cost would total \$60 per light for a total of \$5,340.

2) Re-numbering Poles: There are 195 "Pole Number Missing" and 456 "Digit Missing" items remaining on the 2009 repair list. Affixing the missing numbers would total \$10,740.

3) Painting: There remain many poles that were noted to have "faded" paint, most of which are a cosmetic issue. However the 2009 list includes poles which are noted to have "peeling/cracked" paint and "pole rust." Below is the list of poles that have both of these issues (a total of 26):

- There are two streetlight poles that show "Peeling/Cracked" and "Significant Pole Rust." Sausalito (1), Tiburon (1) -
- There are a total of 24 streetlight poles that show "Peeling/Cracked" and "Minor Pole Rust." Larkspur (1), Mill Valley (3), Novato (5), San Rafael (10), and Tiburon (5)

The approximate cost to paint each pole is \$800 to \$1,000. Republic will remove flaking or loose paint from each pole, clean the pole, install a prime coat, and paint a final coat. Painting these poles would cost approximately \$24,000.

Option One Summary

- 1) Replace 89 damaged lenses (labor/truck only): \$5340
- 2) Re-number 651 poles: \$10,740
- 3) Paint 26 Poles: approximately \$24,000

Option Two

The second proposal by Republic is to repair four underground power problems that have not been addressed by the MGSA member in whose jurisdiction the problem occurs. Republic has provided the following costs estimates and description of the work:

- 1) SL #29E (Marin County) - Los Cerros & Bretano Way. Cost: \$13,175.00. Scope of Work: Pothole for existing utilities. Grind asphalt 18" wide and rock-wheel a 12" deep trench from the subject streetlight to the service point (pull-box) located approximately 200-ft north-east (opposite side of road). Furnish and install 1.5" conduit in the trench as well as one new pull-box adjacent to streetlight #29E. Backfill trench with concrete slurry, re-pave with hot asphalt. Furnish and install new conductors and make the necessary splices to restore power to the two streetlights. Work includes minor traffic control and flagging.
- 2) SL #644Y (Sausalito) - Platt Ave & Toyon Ln. Cost: \$10,290.00. Scope of Work: Pothole for existing utilities. Grind asphalt 18" wide and rock-wheel a 12" deep trench from the subject streetlight to the service point (pull-box) located approximately 75-ft north-east (located in the middle of the road). Furnish and install 1.5" conduit in the trench as well as one new pull-box adjacent to streetlight #644Y. Backfill trench with concrete slurry, re-pave with hot asphalt. Furnish and install new conductors and make the necessary splices to restore power to the two streetlights. Work includes minor traffic control and flagging.
- 3) SL #483F (Larkspur) - 220 Via La Cumbre near Elisio. Cost: \$8,775. Scope of Work: Furnish and install one new #3.5 pull-box and lid over the conduit at the base of the utility pole in the side yard of the subject location. Furnish and install another #3.5 pull-box at the location of the broken conduit on the street-side of the previously existing planter box. Hand trench approximately 50-ft between the two pull-boxes and furnish and install 1" rigid conduit. This work will require multiple hours of jack-hammering to create the trench because the ground is virtually all solid rock. Furnish and install new conductors through the conduit and splice to the existing wiring to make the streetlight fully operational. Backfill the trench with native soil/rock.
- 4) SL #187A (Marin Civic Center) - Vera Shultz Drive (near Sheriff parking). Cost: \$7,760. Scope of Work: Demolish, remove and dispose of a total of four (4) flags of sidewalk adjacent light pole #187A and the light pole immediately west. Furnish and install two (2) new pull-boxes, one next to each light. Tunnel under curb/gutter and hand trench approximately 60-ft (in pavement) between the two light poles. Furnish and install 1" conduit in said trench and stub conduit into the new pull-boxes. Furnish and install new conductors between the two lights and make the necessary splices in each pull-box. Form and replace the concrete flags of sidewalk and re-pave the open trench with new asphalt.