

January 21, 2004

Honorable Mayor and Members of
The Hermosa Beach City Council

Regular Meeting of
January 27, 2002

**PROJECT NO. CIP 02-189 STREET IMPROVEMENTS – MYRTLE AREA
RECEIVE AND FILE REPORT**

Recommendation:

It is recommended that City Council receive and file report.

Background:

The Myrtle Area improvement project proposes to refurbish Myrtle Avenue by grinding the edges of pavement and constructing a 2" asphalt overlay. The street has existing concrete curbs but does not have a concrete gutter. The existing street is fairly flat and concerns were expressed by residents that ponding will continue to be a problem after the new improvements are completed. These residents have gotten commitments from 16 of the 20 residents on the east side of Myrtle Avenue between 24th and 25th Street to pay for a new concrete gutter. They believe that this will solve the problem. Council directed staff to investigate.

Staff has surveyed this side of the street and the results are shown in the table below. The average slope of the street is 0.39%. Slopes vary in front of individual lots from 0.156% to 0.7%. The residents are correct that it is very difficult to assure positive drainage with asphalt when slopes are flatter than 2%. Concrete gutters would help, but it is still difficult to assure positive drainage for slopes flatter than 1%. This means that even with new concrete gutters puddles will remain at certain locations in front of residences. To fully solve this drainage issue would require major street reconstruction and possibly a storm drainage system. This is beyond the scope of the project.

| ADDRESS | APPROX. STA. (feet) | CURB ELEV. (feet) | FLOW LINE (feet) | SLOPE (%) | CURB (inches) |
|------------------|------------------------|----------------------|---------------------|--------------|------------------|
| 303 24th St. | 0 | 6.15 | 5.82 | N/A | 4.0 |
| 2418 Myrtle Ave. | 30 | 6.08 | 5.66 | 0.511% | 5.0 |
| 2424 Myrtle Ave. | 60 | 5.98 | 5.56 | 0.333% | 5.0 |
| 2426 Myrtle Ave. | 90 | 5.88 | 5.46 | 0.333% | 5.0 |
| 2432 Myrtle Ave. | 120 | 5.67 | 5.25 | 0.700% | 5.0 |
| 2434 Myrtle Ave. | 150 | 5.55 | 5.20 | 0.178% | 4.2 |
| 2438 Myrtle Ave. | 180 | 5.5 | 5.09 | 0.367% | 4.9 |
| 2444 Myrtle Ave. | 210 | 5.45 | 4.95 | 0.467% | 6.0 |
| 2448 Myrtle Ave. | 240 | 5.31 | 4.81 | 0.467% | 6.0 |
| 2452 Myrtle Ave. | 270 | 5.23 | 4.76 | 0.156% | 5.6 |
| 2456 Myrtle Ave. | 300 | 5.13 | 4.66 | 0.333% | 5.6 |
| 2460 Myrtle Ave. | 330 | 5.05 | 4.58 | 0.267% | 5.6 |
| 2466 Myrtle Ave. | 360 | 4.92 | 4.45 | 0.433% | 5.6 |
| 2468 Myrtle Ave. | 390 | 4.73 | 4.26 | 0.633% | 5.6 |
| 2470 Myrtle Ave. | 420 | 4.71 | 4.21 | 0.178% | 6.0 |
| 302 25th St. | 480 | 4.37 | 3.90 | 0.517% | 5.6 |
| AVERAGE SLOPE= | | | | 0.39% | |

The cost for new concrete gutters is estimated to be \$22.58 per lineal foot, or \$677 for a typical 30' lot. If the residents, KNOWING THERE IS NO GUARANTEE THEY WON'T HAVE SOME SHALLOW PUDDLING, wish to pay for this improvement, Staff could direct the contractor to add this improvement. Staff recommends that the properties that do not desire this improvement remain asphalt up to the curb face. This transition is quite common throughout the city.

Analysis:

Staff has reviewed the elevations of the existing curb and proposed flow line. Unfortunately, since a 1% minimum slope could not be obtained, there can be no guarantee that puddling will not occur.

In order to eliminate puddling, the street will require total reconstruction and possibly installation of a storm drain system. This type of construction for Myrtle Avenue is not programmed in this project.

Fiscal Impact

None at this time.

Respectfully submitted,

Concur:

Tristan D. Malabanan
Assistant Engineer

Richard D. Morgan, P.E.
Director of Public Works/City Engineer

Noted for fiscal impact:

Concur:

Viki Copeland,
Finance Director

Stephen R. Burrell
City Manager

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