



**CITY OF**

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# **NEWPORT BEACH**

## **City Council Staff Report**

January 14, 2020  
Agenda Item No. 8

**TO:** HONORABLE MAYOR AND MEMBERS OF THE CITY COUNCIL

**FROM:** David A. Webb, Public Works Director - 949-644-3311,  
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**TITLE:** MacArthur Boulevard and University Drive Pavement Rehabilitation  
– Notice of Completion for Contract No. 7183-2 (18R23)

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**ABSTRACT:**

On April 9, 2019, City Council awarded Contract No. 7183-2 for the MacArthur Boulevard and University Drive Pavement Rehabilitation project to R.J. Noble Company, Inc. The work is complete and staff requests City Council acceptance and close out of the contract.

**RECOMMENDATION:**

- a) Accept the completed work and authorize the City Clerk to file a Notice of Completion for the project;
- b) Authorize the City Clerk to release the Labor and Materials Bond 65 days after the Notice of Completion has been recorded in accordance with applicable portions of Civil Code; and
- c) Release Faithful Performance Bond one year after acceptance by the City Council.

**FUNDING REQUIREMENTS:**

Funds for the construction contract were expended from the following accounts:

| <u>Account Description</u> | <u>Account Number</u> | <u>Amount</u>          |
|----------------------------|-----------------------|------------------------|
| CIP General Fund           | 01201927-980000-18R23 | \$ 940,907.00          |
| Measure M Fair Share       | 12201-980000-18R23    | \$ 935,576.45          |
| SB1-RMRA                   | 12601-980000-18R23    | \$ 485,829.00          |
| Water Enterprise           | 70101-980000-18R09    | \$ 7,053.00            |
| Water Enterprise           | 70101-980000-20R09    | \$ 18,808.00           |
| Contributions (CalRecycle) | 13501-980000-19R02    | \$ 89,588.90           |
| Contributions (IRWD)       | 13501-980000-18R23    | \$ 16,943.50           |
| Contributions (Mesa)       | 13501-980000-18R23    | \$ 2,298.00            |
| <b>Total:</b>              |                       | <b>\$ 2,497,003.85</b> |

The City was successful in obtaining grant funding to pay for a portion of the paving material under the CalRecycle Rubberized Pavement Grant Program (Program). This Program promotes the use of rubberized asphalt concrete made from recycled waste tires generated in California. The Program aims to decrease the adverse environmental impacts created by disposing and stockpiling of waste tires. Through the Program, the City will be reimbursed \$10/ton of rubberized asphalt concrete used on this project. The total amount of grant funding from this Program is \$89,588.90 for this contract.

**DISCUSSION:**

**Overall Contract Cost/Time Summary**

| Awarded Contract Amount                              | Final Cost at Completion | Contingency Allowance | Actual Contract Change            | % Due to Directed Change | % Due to Unforeseen Change |
|--|--------------------------|-----------------------|-----------------------------------|--------------------------|----------------------------|
| \$2,319,580.00                                       | \$2,497,003.85           | 10% or less           | +7.6%                             | -1.4%                    | +9.0%                      |
| Allowed Contract Time + Approved Extensions (days) = |                          | 80                    | Actual Time Under (-) or Over (+) |                          | -8                         |

This project included surface milling and overlaying the existing asphalt street pavement on MacArthur Boulevard, from Ford Road/Bonita Canyon Drive to State Route 73 (SR-73), and on University Drive, from Jamboree Road to the easterly City limit, with new rubberized asphalt concrete pavement. Deteriorated concrete sidewalks, median curbs, curbs and gutters, bus pads, and curb access ramps were also reconstructed as part of the project. Impacted utilities were adjusted to grade and new pavement signing and striping were installed.

Additionally, a short segment of roadway on Bison Avenue, from approximately 200-feet west of MacArthur Boulevard to SR-73, was added to this project during construction. The extra paving work on Bison Avenue was originally part of a separate pavement rehabilitation project that is scheduled to start in early 2020 (Bison Avenue, San Joaquin Hills Road, and San Nicolas Drive Pavement Rehabilitation – Project No. 19R21). Because construction of both paving projects will impact the busy intersection of MacArthur Boulevard and Bison Avenue, staff decided to include this short segment of Bison Avenue to avoid impacting this intersection twice. Moreover, this short segment of Bison Avenue required an encroachment permit from the California Department of Transportation (Caltrans) due to impacts to SR-73, which is similar to the work on MacArthur Boulevard and University Drive. Staff was able to streamline the Caltrans permitting process for both projects by combining this short segment of Bison Avenue with this contract.

The contracted work has now been completed to the satisfaction of the Public Works Department. A summary of the construction cost is as follows:

|                                       |                        |
|---------------------------------------|------------------------|
| Original Bid Amount:                  | \$ 2,319,580.00        |
| Actual Cost of Bid Items Constructed: | \$ 2,288,683.23        |
| Total Change Orders:                  | \$ 208,320.62          |
| <b>Final Contract Cost:</b>           | <b>\$ 2,497,003.85</b> |

The final contract cost was \$2,497,003.85, which was approximately 7.6 percent higher than the original bid amount. The actual cost of bid items constructed (\$2,288,683.23) was less than the original bid amount (\$2,319,580.00) due to the reduced quantities constructed as measured in the field. The final contract cost increase was primarily due to five change orders, totaling \$208,320.62. The change orders included costs for constructing a new concrete bus pad on University Drive per Orange County Transportation Authority's request, extending the paving limits on Bison Avenue, providing additional traffic signal detector loops, modifying the thermoplastic traffic striping application method, and other minor field changes.

A summary of the project schedule milestones is as follows:

|  |          |
|--|----------|
| Estimated Start of Construction per Annual Baseline Schedule | 06/17/19 |
| Actual Start of Construction Per Notice to Proceed           | 06/17/19 |
| Extended Contract Completion Date Inclusive of Extra Work    | 10/08/19 |
| Actual Substantial Construction Completion Date              | 09/26/19 |

#### **ENVIRONMENTAL REVIEW:**

On April 9, 2019, the City Council found this project exempt from the California Environmental Quality Act (CEQA) pursuant to Section 15301, Class 1, (b), (c) (maintenance of existing public facilities involving negligible or no expansion of use) of the CEQA Guidelines, California Code of Regulations, Title 14, Chapter 3, because it has no potential to have a significant effect on the environment.

#### **NOTICING:**

The agenda item has been noticed according to the Brown Act (72 hours in advance of the meeting at which the City Council considers the item).

#### **ATTACHMENT:**

Attachment A – Location Map