

City of Culver City, California
Joint City Council/Redevelopment Agency Agenda Item Report

Meeting Date: 5/14/07		Item Number: <u>J-1</u>	
AGENDA ITEM: A Joint City Council/Redevelopment Agency Item to Accept the Work Performed by Sialic Contractors Corporation dba Shawnan for the Washington Boulevard Resurfacing Project, Culver Boulevard Pavement Reconstruction Project, and the 2006 Residential Overlay Project			
Contact Person/Dept.: Elaine Jeng/ Lee Torres/Public Works		Phone Number: 310.253.5621 and 310.253.5623	
Fiscal Impact: Yes ☒ No ☐		General Fund: Yes ☒ No ☐	
Public Hearing: ☐		Joint Item: ☒ Attachments: ☒	
Public Notification: Master Notification List via email on May 9 th . Sialic Contractors Corporation dba Shawnan was also notified via telephone on May 1, 2007.			
Department Approval: Charles D. Herbertson (04/24/07)		City Attorney Approval: Carol Schwab (by H. Iker) (05/02/07)	
City Controller Approval: Marlee Chang (05/08/07)		City Manager Approval: Jerry B. Fulwood (05/09/07)	

RECOMMENDATION:

Staff recommends the City Council:

Accept the work performed by the contractor, Sialic Contractors Corporation dba Shawnan (Shawnan), authorize filing a Notice of Completion for the Washington Boulevard Resurfacing Project, P-843, Culver Boulevard Pavement Reconstruction Project, P-837, and Residential Overlay Project, P-863, and authorize release of retention funds in the amount of \$117,918.08 to the contractor after the thirty-five day lien period expires for the Washington Boulevard Resurfacing Project, P-843, and Residential Overlay Project, P-863.

Staff recommends the Culver City Redevelopment Agency:

Accept the work performed by the contractor, Sialic Contractors Corporation dba Shawnan (Shawnan), authorize filing a Notice of Completion for the Washington Boulevard Resurfacing Project, P-843 and Culver Boulevard Pavement Reconstruction Project, P-837, and authorize release of retention funds in the amount of \$12,066.66 to the contractor after the thirty-five day lien period expires for Culver Boulevard Pavement Reconstruction Project, P-837

The total retention funds in the amount of \$129,984.74 are currently being held through an Escrow Account under the First Regional Bank.

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BACKGROUND:

On August 14, 2006, the City Council and Redevelopment Agency awarded a construction contract to Shawnan for the Washington Boulevard Resurfacing Project, P-843, Culver Boulevard Pavement Reconstruction Project, P-837, and the Residential Overlay Project, P-863. Shawnan completed the pavement overlay and reconstruction projects.

The original scope of work for the three projects consisted of the following:

Washington Boulevard Resurfacing Project

Washington Boulevard between Sepulveda Boulevard and Elenda Avenue is an arterial street and is identified in the Pavement Management System as a high priority for resurfacing. The existing asphalt pavement had deteriorated due to age and impacts from high levels of traffic. The project consisted of the following:

1. Removal of 3.0 inches of the existing asphalt concrete pavement by grinding and replacement with 3.0 inches of new rubberized asphalt concrete along Washington Boulevard between Harter Avenue and Huron Avenue.
2. Removal of 1.5 inches of the existing asphalt concrete pavement by grinding and replacement with 1.5 inches of new rubberized asphalt concrete along Washington Boulevard between Sepulveda Boulevard and Harter Avenue and between Huron Avenue and Elenda Street.
3. At the intersection of two minor residential streets (Commonwealth Avenue and Center Street) at the south side of Washington Boulevard significant surface distress was identified. The pavement in this area required complete reconstruction...
4. Reconstruction of commercial driveways to allow for ADA accessibility within the project limits and replacement of all damaged curb and gutters.

Culver Boulevard Pavement Reconstruction Project

Portions of eastbound Culver Boulevard #2 (curb) lane between Le Bourget and Jasmine Avenues exhibited structural failure.

The work for pavement reconstruction consisted of the removal of existing pavement, base and subgrade to a depth of 12 inches and replacement with 12 inches of full depth asphalt pavement.

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Residential Overlay Project

This project consisted of grinding 2 inches of the existing AC pavement and overlaying with rubberized asphalt concrete on the following streets:

- Sawtelle Boulevard (Sepulveda Boulevard to Malat Way)
- Grayridge Drive (Sawtelle Boulevard to end of cul de sac)
- Deshire Place (Overland Avenue to end of cul de sac)
- Franklin Avenue (Sepulveda Boulevard to Huntley Avenue)
- Karen Circle (Rhoda Way to end of cul de sac)
- La Salle Avenue (Culver Boulevard to Braddock Drive)
- La Salle Avenue (Farragut Drive to end of cul de sac)
- Jackson Avenue (Farragut Drive to end of cul de sac)
- Madison Avenue (Farragut Drive to end of cul de sac)

This project also included the replacement of traffic loops, re-striping of traffic lanes, delineating pavement markings, installation of raised pavement markers and if necessary the removal and the replacement of sections of failed roadway pavement with full depth asphalt (12" AC).

DISCUSSION:

The entire project was successfully completed on time and under budget.

Washington Boulevard Resurfacing Project

On September 14, 2006, Shawnan commenced with the Washington Blvd Resurfacing Project. This project was completed on December 18, 2006.

On February 26, 2007, a localized pavement failure occurred on the newly paved roadway along the edge of the right lane on the westbound direction of Washington Boulevard. It was also observed that wet soil/mud was appearing on the pavement surface of the failed areas. Staff coordinated meetings with representatives from Shawnan, Golden State Water Company, and Zieser-Kling, Geotechnical Consultant, in order to discuss and determine the possible cause of the pavement failures. Based on the investigation, Zieser-Kling Consultants determined that water infiltrated the pavement section allowing the settlement of the soil and corresponding failure of the new asphalt.

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Based on the findings mentioned above, the pavement failure was not a result of Shawnan's paving operation. The bonding between the newly installed 2 inch rubberized asphalt and the existing asphalt concrete was well intact as observed during the removals. Staff was unable to successfully negotiate with Shawnan to repair the work therefore the repair work will be combined with the next Residential Overlay Projects anticipated to begin Summer, 2007.

Culver Boulevard Pavement Reconstruction Project

On November 6, 2006, Shawnan began the Culver Blvd. Pavement Reconstruction Project. This project was completed on January, 19, 2007.

During the removal of the existing pavement, it was observed and confirmed through tests that the road base material, native clay soil, exceeded the optimum moisture content. This 'wet' soil condition prevents the minimum required compaction to be met. This issue had to be addressed in order to obtain the required compaction and prevent future pavement failures. Therefore, staff revised the pavement design from 12-inch to a 14-inch removal and from 12-inch full depth asphalt concrete to the construction of a 2-inch rubberized asphalt over 8-inch conventional asphalt, 4-inch crushed miscellaneous base (CMB) material, and geotextile fabric. The installed geotextile fabric is manufactured to prevent the wet soil from migrating into the base material and will maintain the CMB, subgrade material, in place and keep it well drained.

During the paving operation, the last segment located just west of Jasmine Avenue was constructed under the recommended temperature placement for rubberized asphalt. This resulted in an uneven and rough joint between the last two loads of the rubberized asphalt. However, the asphalt compaction test in this segment met the minimum requirements. The joint was repaired by leveling the rough and high spots and applying a rubber emulsified slurry with fine sand.

The work is under warranty for one year after acceptance of completion of the project.

Residential Overlay Project P-863

Construction commenced on November 10 and was complete by December 8, 2006.

Due to the presence of underlying Macadam pavement and the heavy presence of cracking and pavement settlement, staff changed the scope from a uniform 2" grind and 2" rubberized asphalt overlay to the header-cut methodology. The

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header-cut methodology minimized the grinding operation to eliminate disturbance to the existing pavement.

The change in project scope resulted in a savings of \$47,793.60, primarily stemming from the reduction in the amount of grinding and the amount of rubberized asphalt needed. Further savings were achieved without having to replace traffic loops and full-depth asphalt replacement.

Paving operations at Madison Avenue resulted with compaction test showing less than the specified 95%. The intent of the 95% compaction threshold is to ensure that the newly paved street would not experience failure and or deterioration faster than its intended life.

Because the contractor did not meet the project specifications, staff requested the contractor to provide an extended warranty of 1 year outside of the conventional 1 year warranty for Madison Avenue. The contractor has complied and also provided an extension to their performance and payment bond associated with any work required on Madison Avenue during the extended warranty period.

FISCAL ANALYSIS:

Shawnan completed the Washington Blvd and Residential Pavement Overlay, and Culver Blvd Reconstruction Projects required in the original contract on April 6, 2007 with two change orders. The total amount of the change orders was \$41,536.02. The change order for Culver Blvd Pavement Reconstruction Project consisted of an extended area of repair and the redesign of a roadway section due to the over saturated native material in the project area in the amount of \$31,791.64. The change order for Washington Blvd Resurfacing Project consisted of quantity adjustments in the amount of \$9,744.38. In order to meet the project expenses for Culver Blvd Pavement Reconstruction Project (Account No. 55393501.730100), an administrative budget transfer was made from Washington Boulevard Resurfacing Project (Account No. 55393503.730100) in the amount of \$25,667.

The Residential Overlay Project was constructed for \$47,793.60 less than the contract amount.

The original construction contract amount for the projects was \$1,306,105.00. The final construction cost was \$1,299,847.42, including the two (2) change orders in the amount of \$41,536.02.

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Estimated Project Expenses	
Washington Blvd Resurfacing Project, P-843	\$936,770
Culver Boulevard Pavement Reconstruction Project, P-837	\$88,875
Residential Overlay Project, P-863 Construction Cost	\$280,460
Subtotal	\$1,306,105
Inspection	\$30,000
Geotechnical Construction Services (Observation & Testing)	\$30,000
Total Estimated Project Cost	\$1,366,105
Contingency	\$75,969
Total Project Budget	\$1,442,074

Final Project Cost	
Washington Blvd Resurfacing Project, P-843; (includes Change Order)	\$946,514.38
Culver Boulevard Pavement Reconstruction Project, P-837; (includes Change Order)	\$120,666.64
Residential Overlay Project, P-863 Construction Cost	\$232,666.40
Subtotal	\$1,299,847.42
Construction Inspection	\$36,280.00
Geotechnical Construction Services (Observation & Testing)	\$30,531.50
Total Project Cost	\$1,366,658.92

The unspent funds in the amount of \$75,415.08 will be used on the Residential Overlay Program Budget for a project scheduled for spring 2007.

The City Council approved State Proposition 42 Traffic Congestion Relief funds available in the amount of \$299,221 for the project. Because

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Shawnan's proposed pricing to pave additional residential streets were substantially higher than the bid price used in the Residential Overlay Project, staff decided to not add additional streets to the scope of work until the next Residential Overlay Project. The funding from the Traffic Congestion Relief fund will remain in the project account for the next Residential Overlay project.

ATTACHMENTS:

1. Location Maps.
2. Geotechnical Report on Distressed Pavement on Washington Boulevard, dated March 15, 2007 by Zieser-Kling.
3. Extended Warranty provided by Shawnan for Madison Avenue

MOTIONS:

That the City Council:

- 1) Accept the work performed by the contractor, Sialic Contractors Corporation dba Shawnan, Washington Boulevard Resurfacing Project, P-843, Culver Boulevard Pavement Reconstruction Project, P-837, and Residential Overlay Project, P-863;
- 2) Authorize the filing of a Notice of Completion;
- 3) Authorize the Public Works Director to sign and submit the necessary documents to the Los Angeles County Recorder's Office; and
- 4) Authorize the release of the \$117,918.08 to Sialic Contractors Corporation dba Shawnan, for the Washington Boulevard Resurfacing Project, P-843 and Residential Overlay Project, P-863, following the expiration of the 35-day lien period.

That the Redevelopment Agency:

- 1) Accept the work performed by the contractor, Sialic Contractors Corporation dba Shawnan, Washington Boulevard Resurfacing Project, P-843 and Culver Boulevard Pavement Reconstruction Project, P-837;
- 2) Authorize the filing of a Notice of Completion;

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- 3) Authorize the Public Works Director to sign and submit the necessary documents to the Los Angeles County Recorder's Office; and
- 4) Authorize the release of the \$12,066.66 to Sialic Contractors Corporation dba Shawnan for the Culver Boulevard Pavement Reconstruction Project, P-837, following the expiration of the 35-day lien period.