



City Council Staff Report

Date: October 1, 2014 CONSENT CALENDAR

Subject: APPROVAL OF CONTRACT CHANGE ORDER NO. 2 FOR THE 2014 ANNUAL ASPHALT OVERLAY AND RECONSTRUCTION PROJECT, CITY PROJECT 14-04,

From: David H. Ready, City Manager

Initiated by: Public Works and Engineering Department

SUMMARY

Contract Change Order No. 2 in the amount of \$205,229.10 for the Annual Asphalt Overlay and Reconstruction Project, City Project No. 14-04 provides funds for the addition of 7 new items to the project as well as additions and deletions to the original scope of work related to the method of pavement repairs.

RECOMMENDATION:

- 1) Approve Contract Change Order No. 2 to Agreement No. 6565 in the amount of \$205,229.10 with Match Corporation, a California corporation, for Annual Asphalt Overlay and Reconstruction Project, City Project 14-04.
- 2) Authorize City Manager to execute all necessary documents.

STAFF ANALYSIS:

On June 18, 2014 City Council awarded a \$2,714,074.00 contract agreement to Match Corporation for the overlay and reconstruction of various streets; including the complete reconstruction of Tahquitz Canyon Way between Indian Canyon and Sunrise Way, and the loop roads of the Palm Springs International Airport.

On July 16, 2014 Council was asked to provide advanced authorization to various items of anticipated work based upon estimated costs. These included:

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|--|-----------|---------------|
| 1. Airport Decorative Paver Crosswalks | \$ 90,000 | Airport Funds |
| 2. Curb and Gutter on Escoba | \$ 55,000 | Measure A |
| 3. Modifying Bike lane types | \$ 30,000 | Measure J |

Change Order No. 1 was executed on August 12, 2014 authorizing Match to proceed with Airport decorative crosswalks on a time and materials basis at a cost not to exceed \$87,689.32. This work represents Item A under new items to the contract.

Change Order No. 2 Includes seven (7) new items that are being added to the contract and are inclusive of the two remaining items from the July 16th authorization. These items are referenced as Items B through H. In addition to these new items, this change order makes changes to the original scopes of work in order to address both scheduling and cost issues.

Bid Schedule A: Bid Schedule A allows for the complete reconstruction of Tahquitz Canyon Way between Indian Canyon and Sunrise Way. Reconstruction is a process in which the existing asphalt paving is removed along with several inches of underlying soils to a depth of approximately 9 inches. New underlying road base is trucked to the site where it is graded and compacted prior to the placement of a new layer of asphalt. On a street the size of Tahquitz, this is a very time consuming effort and throughout the duration of the work the roadway is only useable in a very limited capacity. Due to scheduled utility projects in the same area, the site was not available to the contractor for construction. In addition, it was a concern that many of the upcoming fall events would be impacted by the work. In an effort to minimize the impact on motorists, adjacent businesses and residents, it is proposed that an alternative to standard reconstruction is utilized.

The proposed change involves pulverizing the existing street in place rather than digging it up and hauling it away. The pulverizing machine will mix the asphalt and gravels in the existing roadway into the sub-soils to a depth of 12". These base materials are then mixed with 4% powdered Portland Cement. This treated material is then wetted and compacted in place providing a stable, cementitious base on which to place 4" of asphalt concrete. Essentially, the existing street is re-used to support a new one. This method has many advantages such as a reduction in trucking and waste, increased public convenience, better access to adjacent properties during construction, time and cost.

Changes to Bid Schedule A allow for the use of this alternate method as well a phased construction schedule that will have all construction activities off of Tahquitz during the peak of the fall event season. These changes result in a credit to the contract of approximately \$10,000.

Bid Schedule B: Changes to Bid Schedule B are similar to those outlined in Schedule A. The difference being that the cement treatment will not be utilized on these smaller, lower traffic streets. All streets currently scheduled for reconstruction would be rehabilitated utilizing the pulverize in place method, where the existing roadway will be mixed into the sub-soils in order to create a base material on which new paving will be placed. The use of this method of reconstruction results in a savings to the contract of approximately \$65,000.

As a part of these changes to Schedule B, the use of this method would be expanded to include two streets currently scheduled for grind and overlay that are in a severely distressed condition: Mesquite Ave. between South Palm Canyon and Palo Fiero and South Riverside Dr. between Random Road and Sunrise Way. Both of these roads will be added to the reconstruction list and the savings noted above would be applied towards the difference in cost. These changes result in an estimated increase to the project of \$32,951.22

New Item B, Escoba Drive Street Improvements: The South side of Escoba Dr. East of South Desert Way has long been in need of curb and gutter improvements in order to convey nuisance and storm waters to the East. This area has a history of standing water and vector control issues, requires regular maintenance by City crews and has long been a concern to adjacent residents.

This item will provide for approximately 660 LF of curb and gutter improvements and paving in order to correct this problem. The work will be performed at the lump sum/agreed price indicated above and is inclusive of mobilization, sawcutting, removals, grading, 6" PCC curb and gutter, asphalt cement trench patching and surveying. This addition was one of the items that was previously authorized by Council on July 16, 2014 at an estimated cost of \$55,000; the actual cost is \$35,081.

New Item C, East Palm Canyon Sidewalk, North Side, between Sagebrush and South Calle Rolph: This location does not currently have pedestrian walkways. Pedestrians and guests of the adjacent hotels are required to walk along the top of the curb or in the street along this block. This item will provide new concrete walkways and ramps. The work will be performed at a lump sum/agreed price and is inclusive of removals of existing improvements, relocation of landscaping, construction of ADA ramps, walkways, a driveway approach, AC paving and Traffic Control. The cost of this item is \$23,902.

New Items D and E, Morongo Road and Cherry Hills Drive street improvements: Sections of each of these roads were initially scheduled to be slurry sealed as a part of our recent slurry project. However, it was determined prior to construction that there were portions that were not suitable for slurry seal due to their poor condition. For that reason these segments were excluded from the slurry project. Item D and E will allow for the reconstruction of these street sections utilizing the 'pulverize in place' method outlined in the changes to Bid Schedule B above. Limits of the work are as follows: Morongo Rd. from Barona Road to 300 feet East of Barona Road, Cherry Hills Drive from Bob O Link East to the golf course crosswalk. Combined, these repairs result in an increase to the contract of \$40,368.68

New Item F, Tahquitz Canyon Bike Lane Buffer: This Items adds a 2 foot wide, thermoplastic, bike lane buffer to the existing bike lane details on Tahquitz Canyon Way between El Segundo Road and Sunrise Way. Note this work is a portion of the bike lane improvements on Tahquitz Canyon Way that was previously authorized by Council on July 16, 2014 at an estimated cost of \$30,000. The actual cost for this work is \$13,125.

New Items G and H, Water Valve and Sewer Manhole Adjustments: The adjustment of utility covers is often necessary when roads are reconstructed. This item allows for the demolition, adjustment and re-pouring of concrete collars around existing water valves and sewer manholes. Many of the existing utility adjustments are cracked or are at a different grade than the anticipated reconstructed street. Please note that water valve adjustments are being performed under agreement with the Desert Water Agency. DWA will approve adjustments to be made by the City's contractor in the field and the City will be reimbursed at the completion of the project. The anticipated cost for sewer manhole adjustments is \$27,000. The estimated cost for water Valve Adjustments is \$42,900 (to be reimbursed by DWA).

FISCAL IMPACT:

Item B: Funds are available in Account No. 134-4498-50242 (Measure A)
Item C: Funds are available in Account No. To Be Determined.
Item D and E: Funds are available in Account No. 133-4298-50292 (Gas Tax)
Item F: Funds are available in Account No. 260-4500-59445
Item G: Funds are available in Account No. 134-4498-50225
Item H: Funds are available in Account No. 420-6800-50000

SUBMITTED:

Recommended by:

Approved by:



David J. Barakian
Director of Public Works/City Engineer



David H. Ready, City Manager

Attachments:

- 1) Contract Change Order No. 2
- 2) Location Map

CITY OF PALM SPRINGS

CONTRACT CHANGE ORDER

Date: September 23, 2014

To: Matich Corporation
P.O. Box 10
Highland, CA 92346

City Project No.: 14-04
Project: 2014 AC Overlay/Reconstruction
Change Order No.: Two (2)
Contract Purchase Order No.: Pending
Account Numbers: Various
Agreement No.: 6565

CHANGES IN WORK/COST

New Items

B	Escoba Dr. St. Imp.	Lump Sum/Agreed Price	\$35,081.00
C	EPC Sidewalk	Lump Sum/Agreed Price	\$23,902.00
D	Morongo/Cherry Hills Pulv/Pave	25,678 SF @ \$0.46/SF	\$11,811.88
E	Morongo/Cherry Hills AC	388 Tons @ \$ 73.60/Ton	\$28,556.80
F	Tahquitz Bike Lane Buffer	Lump Sum Agreed Price	\$13,125.00
G	Adjust Water Valves	55 EA @ \$780.00/EA	\$42,900.00
H	Adjust Sewer Manholes	30 EA @ \$900/EA	\$27,000.00

Subtotal: \$182,376.68

Bid Schedules

Bid Schedule A Delete Items 3, 6, 7 and 8 -(\$941,370.00)

The following lump sum, unit pricing and estimated quantities will replace the deleted items from Bid Schedule A:

A1.	Pulverize, Export, PCC Stab.	340,000 SF @ \$1.09/SF	\$370,600.00
A2.	AC Paving type C2 1.5" and type B 2.5"	8,080 TONS @ \$69.39/TON	\$560,671.20
Subtotal:		\$931,271.20	

Bid Schedules B, C, D and E

Bid Schedule B	Delete Items 3 and 4	-\$160,837.00)
Bid Schedule C	Delete Items 3, 4 and 5	-\$138,370.00)
Bid Schedule D	Delete Items 3 and 4	-\$517,360.00)
Bid Schedule E	Delete Items 3,4,5,6 and 7	-\$202,050.00)
Subtotal		-\$1,018,617.00)

The following lump sum, unit pricing and estimated quantities will replace the deleted items from Bid Schedules B, C, D, and E:

B1.	Pulv, Grade, Compact, Export	393,451 SF @ \$0.46/SF	\$180,987.46
B2.	AC Paving 2.5 and 3"	6,294 TONS @ \$71.00/Ton	\$446,874.00
B3.	Cold Plane 2.0"	385,612 SF @ \$0.23/SF	\$88,690.76
B4.	AC Pave 2.0"	4,752 TONS @ \$70.50/TON	\$335,016.00
Subtotal			\$1,051,568.22

Change Order Total: \$205,229.10

REASONS FOR CHANGES

B. Escoba Drive Street Improvements: The South side of Escoba Dr. East of South Desert Way has long been in need of curb and gutter improvements in order to convey nuisance and storm waters to the East. This area has a history of standing water and vector control issues and requires regular maintenance by City crews. This item will provide for approximately 660 LF of curb and gutter improvements and paving in order to correct this problem. The work will be performed at the lump sum/agreed price indicated above and is inclusive of mobilization, sawcutting, removals, grading, 6" PCC curb and gutter, asphalt cement trench patching and surveying. Note that this item was previously authorized by Council on July 16, 2014.

C. East Palm Canyon Sidewalk, North Side, between Sagebrush and South Calle Rolph: This location does not currently have pedestrian walkways. Pedestrians and guests of the adjacent hotels are required to walk along the top of the curb or in the street along this block. This item will provide new concrete walkways and ramps. The work will be performed at the lump sum/agreed price indicated above and is inclusive of removals of existing improvements, relocation of landscaping, construction of ADA ramps, walkways, driveway approach, AC paving and Traffic Control.

D. and E. Morongo Road and Cherry Hills Drive: Sections of each of these roads were initially scheduled to be slurry sealed as a part of our recent slurry project. However, it was determined that there were portions that were not suitable for slurry seal due to poor condition

and they were excluded from the slurry project. These items will allow for the reconstruction of these street sections utilizing a 'pulverize in place' method. Limits of the work are as follows: Morongo Rd. from Barona Road to 300 feet East of Barona Road, Cherry Hills Drive from Bob O Link East to golf course crosswalk.

F. Tahquitz Canyon Bike Lane Buffer: This Items adds a 2 foot wide, thermoplastic, bike lane buffer to the existing bike lane details on Tahquitz Canyon Way between El Segundo Road and Sunrise Way. Note this item was previously authorized by Council on July 16, 2014.

G and H. The adjustment of utility covers is often necessary when roads are reconstructed. This item allows for the demolition, adjustment and re-pouring of concrete collars around existing water valves and sewer manholes . Note: Water valve adjustments are being performed under agreement with the Desert Water Agency. DWA will approve adjustments to be made by the City's contractor in the field and the City will be reimbursed at the completion of the project.

Bid Schedule A: Tahquitz Canyon Way Reconstruction: As bid, this project requires the complete removal of the existing asphalt and subgrade to a depth of 9 inches on Tahquitz Canyon Way between Indian Canyon and Sunrise Way. This process of reconstruction is both time extensive and disruptive to adjacent businesses and residents as it leaves a deep excavation in the roadway. The construction timeline for this work also coincides with several scheduled events including the Aircraft Owners Convention and Parade of Planes 1 and 2, Arenas Road Halloween Celebration, Veterans Day Parade, and the Pride Parade and Celebration. In an effort to minimize the impact of the Tahquitz Canyon reconstruction we have developed an alternate scope of work and schedule. In accordance with this change order, the existing paving on Tahquitz will be pulverized in place mixing the asphalt into the road subgrade. This material will then be graded to the appropriate depth and treated with 4% Portland Cement Concrete. This material will then be wetted and compacted in place in order to provide a cement treated subgrade. The grade will then be micro cracked in order to prevent natural cracking and then asphalt concrete will be placed in two lifts to a finished thickness of four (4) inches. The work will take place in two phases in order to minimize disruptions during the planned events. Phase 1 will begin on October 6 and will concentrate on the area between Indian Canyon and Alvarado Road. The Contractor will then de-mobilize on October 24th. The Contractor will return to complete the remainder of Tahquitz on November 12th completing the work prior to December 5th. This change results in a credit to the original contractor of approximately \$10,000.00 and comes with an extended warranty of two years.

Bid Schedules B, C, D and E: Reconstruction and Overlay of Various Streets: Two of the streets scheduled for a grind and overlay have deteriorated to the extent that this method of repair would be unsuitable. These include Mesquite Ave from South Palm Canyon to Calle Palo Fiero, and South Riverside Drive from Random Road to Sunrise Way. In an effort to include these streets with those scheduled for reconstruction an alternate method for street reconstruction was developed. Rather than fully removing the roadway and importing base material, all streets scheduled for reconstruction will be pulverized in place; mixing the existing asphalt in with the underlying subgrade to develop a base on which to pave. This method is

expected to provide the same reconstruction result at a savings to the contract of approximately \$65,000. These savings, will be used to offset the cost of including Mesquite Ave and South Riverside Drive on the reconstruction list and differences in the overlay unit pricing. This item also removes Camino Real between Mesquite Ave and Calle Palo Fiero from the project. This street is now scheduled for improvements under a Safe Routes to School Federal Grant. These changes result in a net increase to the contract of \$32,951.22.

SOURCE OF FUNDS:

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 Item G: Funds are available in Account No. 134-4498-50225
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Contract Time:

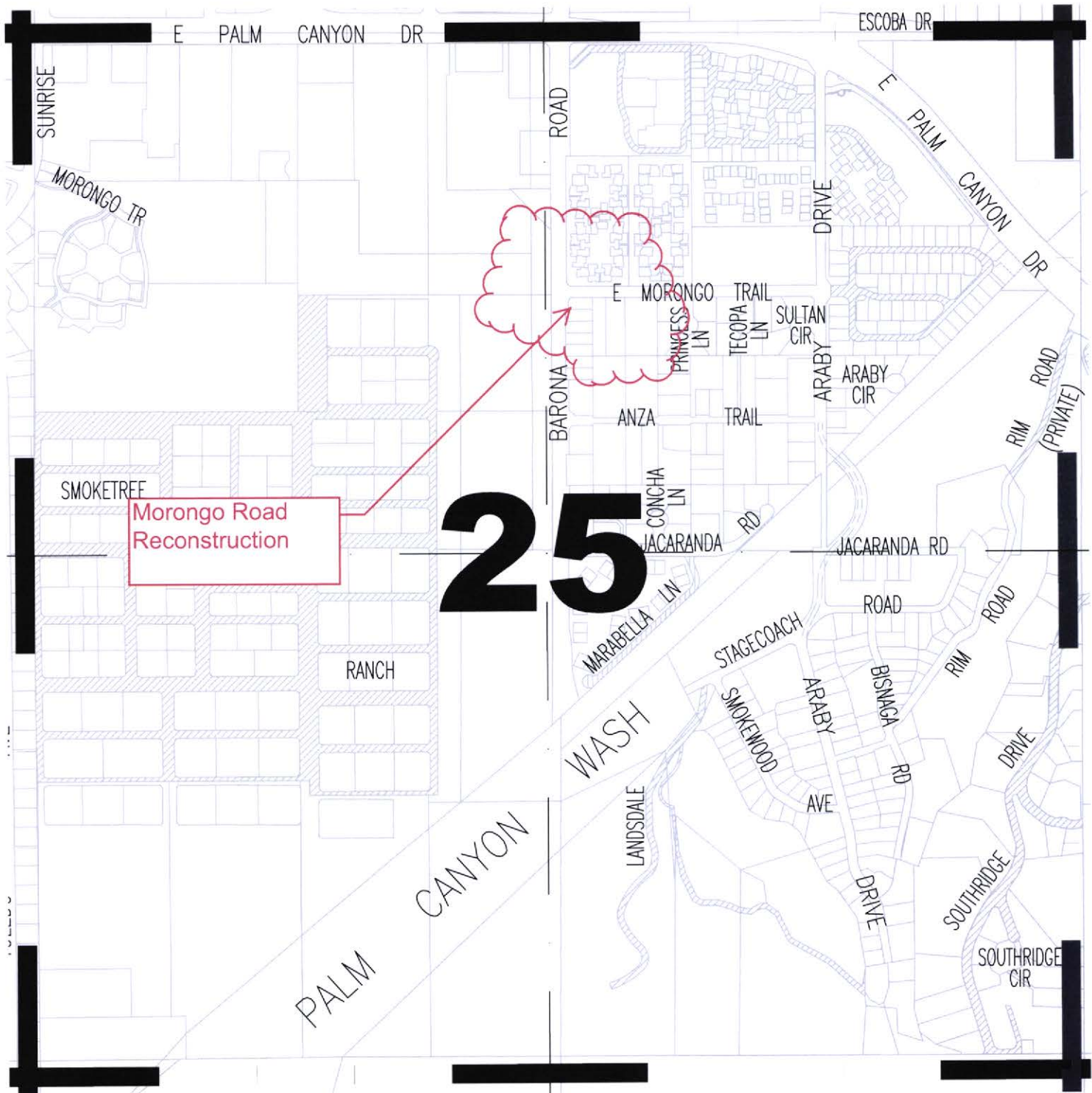
Sixteen (16) additional working days will be added to the contract in order to complete this work.

Original completion date:	January, 6, 2015
Days Added this Change Order:	-16-
Revised Completion Date:	February 4, 2015

Summary of Costs:

Original Contract Amount:	\$2,714,074.00
This Change Order:	\$205,225.10
Previous Change Orders:	\$87,689.32
Revised Contract Amount:	\$3,006,988.40

CITY OF PALM SPRINGS
SECTION 25-T4S-R4E



CITY OF PALM SPRINGS
CP 14-03 SLURRY SEAL
MAP

SECTION 29-T4S-R5E

