



City Council Staff Report

DATE: April 20, 2016 CONSENT CALENDAR

SUBJECT: APPROVAL OF CONTRACT CHANGE ORDER NO. 5 IN THE AMOUNT OF \$198,818.16 WITH POWELL CONSTRUCTORS, INC. FOR EMERGENCY BRIDGE REPAIR WORK AT THE RAMON ROAD BRIDGE OVER THE WHITEWATER RIVER

FROM: David H. Ready, City Manager

BY: Public Works & Engineering Department

SUMMARY

The expansion joints at the Ramon Road Bridge over the Whitewater River have deteriorated exposing broken concrete and steel reinforcement requiring the City to perform emergency repairs. The City Council has a current construction contract with a bridge contractor, Powell Constructors, Inc., who completed work on the Bogert Trail Bridge Rehabilitation, City Project No. 07-03. Staff recommends that the emergency bridge repair work on the Ramon Road Bridge be completed under contract by Powell Constructors, as Contract Change Order No. 5 to the contract for City Project 07-03. Time is of the essence to repair these expansion joints.

RECOMMENDATION:

1. In accordance with Section 7.04.040 of the Palm Springs Municipal Code determine that a state of emergency exists with the condition of the existing expansion joints of the Ramon Road Bridge over the Whitewater River, requiring immediate repair and replacement; and
2. Authorize the City Manager to proceed with emergency repairs of the expansion joints of the Ramon Road Bridge over the Whitewater River by utilizing an existing construction contract previously awarded to Powell Constructors, Inc., for the Bogert Trail Bridge Rehabilitation, City Project No. 07-03; and
3. Approve Contract Change Order No. 5 in the amount of \$198,818.16 with Powell Constructors, Inc. for a revised total contract amount of \$2,772,771.30 for the Bogert Trail Bridge Rehabilitation, City Project No. 07-03; and
4. Authorize the City Manager to execute all necessary documents.

STAFF ANALYSIS:

On January 27, 2016, staff received reports of broken concrete and exposed steel reinforcement rebar on the Ramon Road Bridge over the Whitewater River, requiring immediate lane closures on Ramon Road as the City's Street Maintenance crew coordinated required repairs to protect the safety of the traveling public. A Vicinity Map is included as **Attachment 1** with a recent picture of the damaged expansion joint shown on Figure 1.



Figure 1

The Street Maintenance crew solicited for work with emergency contracts during the times that these repairs were made. However, these repairs were temporary measures to cover the exposed rebar and broken concrete until permanent repairs could be made. Ordinarily, staff would prepare plans and specifications for the required bridge repairs, and follow the City's normal procurement process in soliciting bids for this work. However, the repairs to hold the steel reinforcement attached to the bridge expansion joints is temporary, and staff is recommending that the City Council determine that the condition of these bridge expansion joints represent a state of emergency.

Section 7.04.040 of the Palm Springs Municipal Code allows the City to make certain findings when circumstances exist where immediate repair or replacements of public improvements are necessary to ensure protection of public health and safety. Specifically, Section 7.04.040 states:

(1) This section applies to services which are governed by California Public Contract Code where a state of emergency is determined to exist. A state of emergency exists when findings are determined by the city council which may include but are not limited to, the states of emergency defined in Section 8558 of the Government Code and as defined in Section 1102 of the Public Contract Code, and in conformance with the provisions of Public Contract Code Section 22050 when repair or replacements are necessary to permit the continued conduct of the operation of services of the city, or to avoid danger to life or property. Where council makes such findings, it may, by majority vote, proceed at once to replace or repair any public facility without adopting plans, specifications, or working details, or give notice for bids to let contracts. The work may be done by day labor under the direction of the council by contract, or by a combination of the two. Alternatively, council may delegate to the city manager, the power to declare a public emergency subject to confirmation by the council by a four-fifths vote, at its next meeting.

(2) Where an emergency has been determined under subsection (1) of this section, the city manager or his/her representative may authorize the director or others to make emergency procurement of supplies, services, or construction items, regardless of the amount of the expenditure, when there exists a threat to public health, welfare, or safety, provided that the emergency procurement shall be made with such competition as is practicable under the circumstances. As soon as practicable, a record of each emergency procurement shall be made and shall set forth the contractor's name, the amount and type of the contract, a listing of the item(s) procured under the contract, and the identification number of the contract file. The record of action taken is required to insure that the city receives maximum reimbursement from state and federal agencies, when appropriate.

Staff recommends that the City Council consider the following as findings for declaring a state of emergency associated with the existing condition of the Ramon Road Bridge:

1. The Ramon Road Bridge carries over 40,000 cars per day;
2. Failure of the Ramon Road Bridge will significantly affect traffic into and out of Palm Springs, increasing travel time for service and emergency vehicles, including police, fire and ambulances to Desert Regional Medical Center;
3. Immediate repair and replacement of the failed expansion joints is required to ensure Ramon Road remains open to the public.

The City Council previously awarded a construction contract to Powell Constructors, Inc., ("Powell"), who completed work on the Bogert Trail Bridge Rehabilitation, City Project No. 07-03. Staff has consulted with Powell who agreed to review and provide a proposal for the required repairs and replacement of the expansion joints on the Ramon Road Bridge. A field investigation to review the required permanent repairs to the Ramon Road Bridge was held March 28, 2016, to discuss the strategy of the emergency repairs to the expansion joints as circled in the Figure 2.



Figure 2

The current existing metal joint seal assembly and expansion dam and deck slip dowels will need to be removed and replaced with a polyester concrete expansion dam to hold a new Type B bridge joint seal. The polyester concrete, methacrylate primer, and B seal materials will be required to meet Caltrans Standard Specifications with Certificate of Compliance provided by Powell. The bridge joint replacement will follow state "Caltrans" standards and specifications.

Powell has provided a proposal to the City to repair and replace the two bridge expansion joints, which includes that the work occur at night (8 PM to 5 AM) to avoid high volumes of traffic during the normal working hours, with work staged in 18 shifts to maintain one lane of traffic open in each direction. The total cost for this work is \$198,818.16. Staff reviewed this cost proposal with one of the City's bridge consulting engineers, CNS Engineers, who is currently performing work under contract for the City completing the final design for the Ramon Road Bridge Widening (City Project No. 08-25). At the City's request, they performed an independent cost analysis of the proposed repairs, identified the appropriate limits of work to be performed, and recommended the City proceed with the expansion joint repairs.

On the basis that the City Council makes findings recommended by staff to declare a state of emergency requiring immediate repairs and replacements of the bridge expansion joints on the Ramon Road Bridge over the Whitewater River, staff recommends that the City Council approve the required repairs that have been identified in Contract Change Order No. 5 to the construction contract with Powell for the Bogert Trail Bridge Rehabilitation, City Project No. 07-03. A copy of Contract Change Order No. 5 is included as **Attachment 2**.

At the request of the City, and at no additional cost, CNS Engineers will be performing construction inspection/observation of the bridge repair work to be performed by Powell, as part of the data collection and analysis CNS Engineers is required to perform for the final design phase of the Ramon Road Bridge Widening, City Project 08-25.

ENVIRONMENTAL IMPACT:

Section 15269 (b), Article 18, of the California Environmental Quality Act ("CEQA"), statutorily exempts emergency repairs to publicly or privately owned service facilities necessary to maintain service essential to the public health, safety or welfare from requirements of CEQA. Deterioration of the expansion joints at the Ramon Road Bridge over the Whitewater River, poses a hazard and a dangerous condition to the traveling public, and staff has determined that performing the emergency repairs is statutorily exempt from CEQA requirements per Chapter 3, Title 14 of the California Code of Regulations.

FISCAL IMPACT:

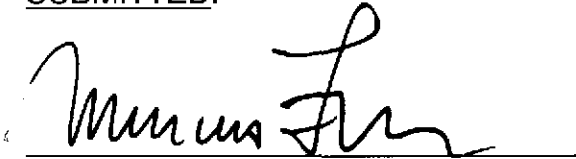
The city limits of Cathedral City and Palm Springs extend along the centerline of Ramon Road, across the existing bridge over the Whitewater River. The City of Palm Springs will be taking the lead on the emergency repairs, and has notified Cathedral City of the intention to seek reimbursement from Cathedral City for its fair share (50%) of the total cost. A copy of the e-mail correspondence dated April 6, 2016, is included as **Attachment 3**.

The emergency bridge repairs are being included as a Contract Change Order to the Bogert Trail Bridge Rehabilitation, City Project 07-03, as that construction contract is the mechanism by which to facilitate the emergency bridge repairs by Powell. Although the bridge repairs on the Ramon Road Bridge over the Whitewater River have no relation to the Bogert Trail Bridge Rehabilitation, that construction contract has general construction specifications and standards that will regulate the emergency repairs on Ramon Road.

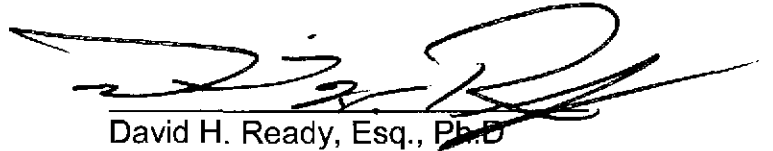
As part of the work completed by Powell at the Bogert Trail Bridge Rehabilitation, pursuant to City Council authority delegated to the City Manager at the time a construction contract was awarded by Council on February 4, 2015, staff has administratively approved Contract Change Orders 1 through 4 in the total cumulative amount of \$85,963.14. Staff recommends approval of Contract Change Order No. 5 in the amount of \$198,818.16 with Powell for a revised total contract amount of \$2,772,771.30 for the emergency bridge repairs at Ramon Road.

Sufficient funding is currently budgeted and available in the Local Measure A Account No. 134-4498-50120 (Bridge Repairs) for this work.

SUBMITTED:



Marcus L. Fuller, MPA, P.E., P.L.S.
Assistant City Manager/City Engineer



David H. Ready, Esq., Ph.D.
City Manager

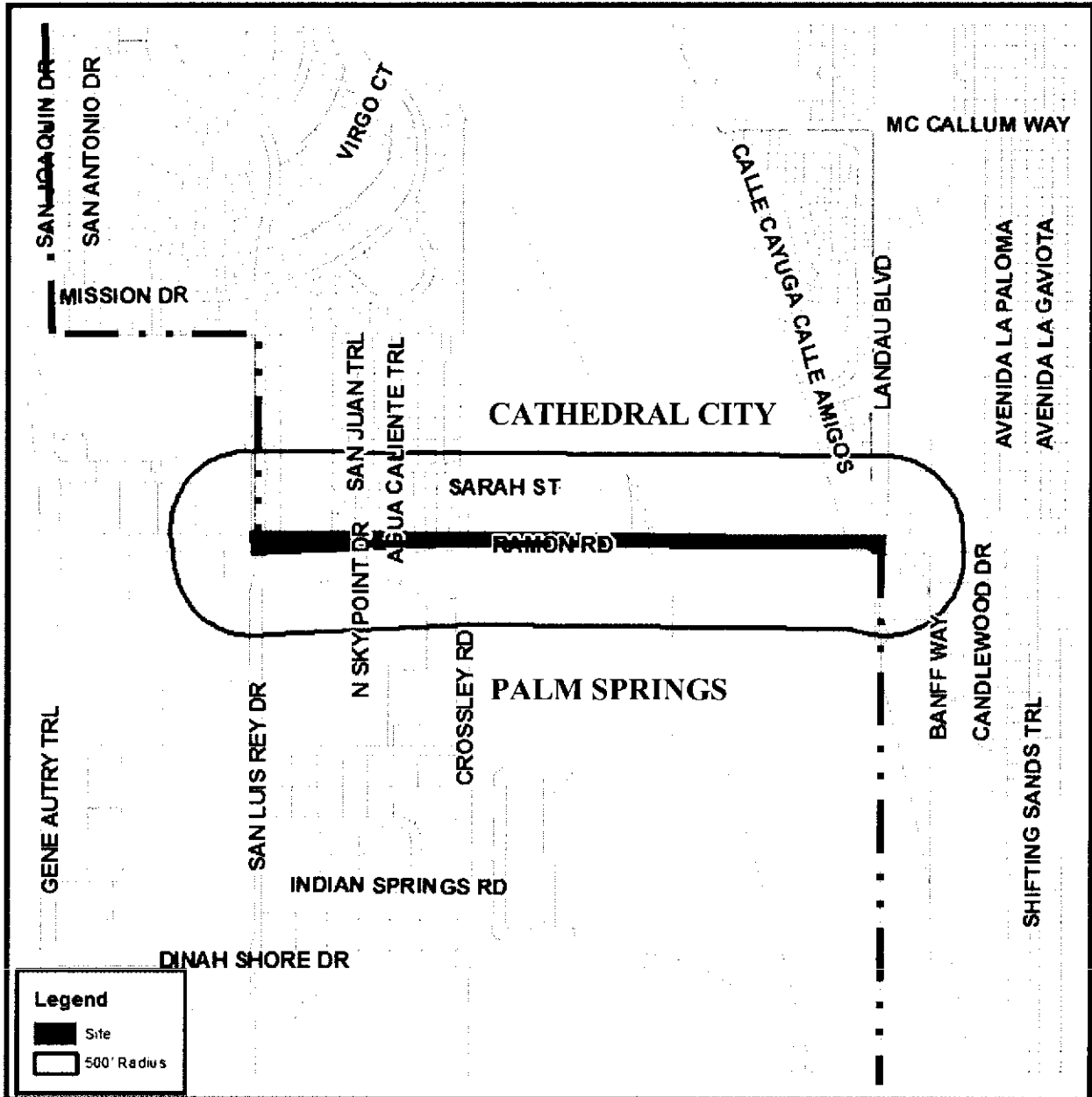
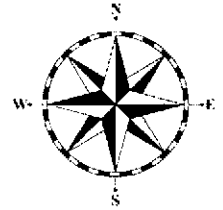
Attachments:

1. Vicinity Map
2. Contract Change Order No. 5

ATTACHMENT 1



Department of Public Works and Engineering
Vicinity Map



CITY OF PALM SPRINGS

ATTACHMENT 2



CITY OF PALM SPRINGS CONTRACT CHANGE ORDER

To: Powell Constructors Inc.
8555 Banana Ave.
Fontana, CA 92335
Tel: (909) 356-8880

Date: April 11, 2016
Project No: 07-03
Project: Emergency Bridge Repair at
Ramon Road Bridge @ WWR
Change Order No: 05
Purchase Order(s): 15-1308 (5%) and 15-1200 (95%)
Accounts: 134-4498-50120 (100%)

Attn: Michael Powell

CHANGES IN WORK/COST:

This Contract Change Order No. 5 adds additional work, generally identified as:

C.O. #	Item	Description	Price	Quantity	Total
5	A	Emergency Expansion Joint Repair of Pier 5 and Pier 10	\$198,818.16	1	\$198,818.16

TOTAL \$198,818.16

CHANGES TO CONTRACT TIME:

Twenty-five (25) working days will be added for Contract Change Order No. 5.

SOURCE OF FUNDS:

The following accounts will be utilized:

Purchase Order 15-1200 (95%): \$188,877.25

Item	Description	Amount	Account Utilized
CO. 5	A	\$188,877.25	134-4498-50120

Purchase Order 15-1308 (5%): \$9,940.91

Item	Description	Amount	Account Utilized
CO. 5	A	\$9,940.91	134-4498-50120

REASONS FOR CHANGE:

Change Order 5, Item A, emergency expansion joint bridge repairs at Ramon Road over Whitewater River: Damages to the expansion joints at the Ramon Road Bridge over Whitewater River require services of a bridge contractor that specializes in emergency bridge repair. As described in the attached proposal dated April 1, 2016, the current existing metal seal assembly and expansion dam and deck slip dowels will need to be removed and replaced with a polyester concrete expansion dam to hold a new B type joint seal. The polyester concrete, methacrylate primer, and B seal materials will be required to meet Caltrans Standard Specifications with Certificate of Compliance provided to the City.

Contract Change Order No. 5
April 11, 2016
Page 2

SUMMARY OF COSTS:

Original Contract Amount:	\$2,487,990.00	Original Completion	215 Working Days
This Change Order:	\$198,818.16	Days Added	25
Previous Change Order(s):	\$85,963.14.78	Previous Days Added:	0
Revised Contract Amount:	\$2,772,771.30	Revised Completion	215 Working Days

****** SIGNATURES ON NEXT PAGE ******

I have received a copy of this Change Order and the above AGREED PRICES are acceptable to Contractor

Powell Constructors

Michael Powell, President

Date

City of Palm Springs

Recommended By:

Marcus Fuller
Assistant City Manager/City Engineer

Date

Approved By:

David H. Ready, City Manager

Date

Attest By:

James Thompson, City Clerk

Date

Distribution:

Original Conformed Copy:

Contractor (1)
City Clerk (1)

Conformed - File Copy:

Engineering Pay File (1)
City Project File (1)
Purchasing (1)
Finance (1)



POWELL CONSTRUCTORS
INC.

8555 BANANA AVE, FONTANA, CA, 92335
PHONE (909) 356-8880 FAX (909) 356-1299
LICENSE #845305A

CONSTRUCTORS INC.

April 1, 2016

City of Palm Springs
425 N Civic Drive
Palm Springs, Ca, 92262

Attn: Mrs. Staci A. Schafer
Director of Maintenance and Facilities

Re: Ramon Ave Bridge over Whitewater Wash Emergency Joint Repair

Subject: Emergency Joint repair of Pier 5 and 10 entire width of existing joint

Mrs. Schafer,

Per the email received from the City on March 31, 2016 we have revised our initial quotation accordingly. As you are aware and upon reviewing the area in question with the City the existing joint is failing and is endangering the safety of the traveling public as the metal seal assembly has popped out numerous times over the last year or so.

Based on our discussions it is our understanding that the City would like us to return the joint seal at the Pier 5 and 10 location to the original design which was comprised of an MR=2" B type joint seal on the bridge at these two locations. To accomplish this the current existing metal seal assembly and expansion dam and deck slip dowels will need to be removed and replaced with a polyester concrete expansion dam to hold the new B type joint seal. The polyester concrete, methacrylate primer, and B seal materials will meet Caltrans Standard Specifications, Certificates of Compliance will be furnished for your records.

We understand that the working hours for this repair work will be between 8 pm and 5 am nightly. We will take lane closures as needed but always maintain at least one lane of traffic open in each direction.

We anticipate that this work will take approximately 18 shifts to complete excluding mobilization and demobilization. We request that a purchase order be issued in the amount of \$198,818.16 to perform the work requested. A detailed cost breakdown is provided for your information as to what we have included. Upon receiving a notice proceed or Purchase Order for the work we will order the polyester concrete and joint seal material. It will take approximately two weeks from order to receive the required materials namely the polyester concrete and B seal materials. Should anything stated above not be correct please let us know otherwise the work will be constructed as directed above. Should you have any questions please let us know. Thank you.

Best Regards,
Powell Constructors, Inc.

Michael B. Powell
President



Quotation

923 Teal Drive
 Benicia, CA 94510
 (866) 434-1772 (p)
 (707) 746-7981
 California Small Business # 25239
 merritt@kwikbondpolymers.com

Quote # 16-1575 REV
 Contract # Palm Springs Bridge Rehab
 Bid Date 3/26/2016 *4/4/16*
 Terms net 30

Description	Cubic Feet	CF Price	Total
PPC 1121 Drums & 50# bags	240	\$62.00	\$14,880.00
Estimated Freight			\$1,200.00
		Sub Total	\$16,080.00
Sales Tax 8.00% <i>9%</i>			\$1,190.40
		Total	\$17,270.40 <i>17,420</i>

Note: If product is ordered in tankers and dropped at the job site, the demurrage fee is \$150/day plus a round trip "Bob Tail" charge of \$2.50/mile from tanker rental company to jobsite. PPC 1121 is sold by Volume. KBP has estimated the neat line quantity based on plan minimum thickness. Many projects will require more material than neat line quantities. Bidders are advised to include an appropriate escalation in their bid to account for waste. Sales Tax rate subject to change. Tech Service Fee - \$450/day plus all travel expenses- air, car, hotel, expenses based on actual cost.

Freight is an estimate only and based on full truck load releases of material. Freight rates are subject to change without notice based on availability & current market prices at time of delivery. Actual freight costs for shipping all material and associated demurrage, back haul, and fuel surcharges charges will be billed to contractor.

*** PPC 1121 is a composite system that requires all components be supplied by Kwik Bond Polymers. Use of any materials in the polyester concrete not approved by KBP will void any warranties and may result in product failure.

Inclusions: The amount of materials to produce average PPC unit weight of 135 lbs/cf and 12% resin content along with sufficient primer to meet spread rates according to special provisions or specifications. The estimate is developed on working temperatures of 70F. Colder temperatures may require additional accelerators and/or resin at an additional charge.

Lead Time: Contractors should allow maximum lead time, but not less than 5 weeks prior to delivery date.

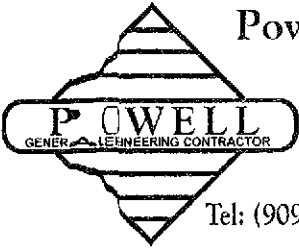
Terms: Quotation is subject to Kwik Bond Polymers, LLC Standard Terms & Conditions in effect at the time of this quotation.

Delivery is subject to contractor being current on all obligations owed to Kwik Bond Polymers as of the date of requested delivery.

Prices: Unit prices are good for shipments through 12-31-2016


 Merritt Hanson- Kwik Bond Polymers

 Contractor Signature



Powell Constructors Inc.

8555 Banana Avenue
Fontana, CA 92335
CA Lic#845305A

Tel: (909) 356-8880 Fax: (909) 356-1299
www.powellconstructors.com

JOB NAME / JOB # 7 TBD

TASK Emergency Repair, Palm Springs (Revised)

DATE 4-1-16

Ramp Rd Bridge - Entire Joint Across Bridge (2loc)

Emergency Repair Pile 5810 Exp Jam & Joint

W OF RD @ Pile 5810 to flowline of pile cap

From Field Measure Same 1/2: $(30+30+1+1+5 \times 10^5) \times 2 = 68CF$

Buy 2EA @ 70CF

→ WA 500?

CHECK POLY $100 \times 1^{25} \times 0^{70} \times 2 = 105CF \times 2 = 210CF + 15\%$

✓

→ 241 CF

Any Increase from L&R Test Based on
Sides of Joint - Considered Here

TRAFFIC Control - Perform OUTSIDE Work - Push TC TO MID
TR/EN INCREASE Work - " TC TO OUT

CK PILE POLY $10 \times 1^{25} \times 0^{70} \times 2 = 28CF \times \frac{1}{2}$ ESTIM OUTSIDE

- ∴ WEB OUTSIDE NT1
- WB OUTSIDE NT2
- INSIDE NT3
- D 21 NT4

Google Maps Ramon Rd



Imagery ©2016 Google, Map data ©2016 Google 200 ft

Ramon Rd
Palm Springs, CA