



**PURCHASING ITEM
FOR
COUNCIL AGENDA
Memo No. CA12-039**

1. Agenda Item Number:
20
2. Council Meeting Date:
September 22, 2011

TO: MAYOR & COUNCIL
THROUGH: CITY MANAGER

3. Date Prepared: September 1, 2011
4. Requesting Department: Transportation & Development

5. SUBJECT: Award Contract Amendment No. 2 and approve staff executed Contract Amendment No. 1 to Ritoch-Powell & Associates for Chandler Boulevard and Price Loop 101 Bike Lane and Left Turn Lane Improvements, Project No. ST0806-202, in amounts not to exceed \$39,690.25 and \$8,914.00, respectively, and a revised total contract amount not to exceed \$409,411.25.

6. RECOMMENDATION: Staff recommends that Council award Contract Amendment No. 2 and approve staff executed Contract Amendment No. 1 to Ritoch-Powell & Associates for Chandler Boulevard and Price Loop 101 Bike Lane and Left Turn Lane Improvements, Project No. ST0806-202, in amounts not to exceed \$39,690.25 and \$8,914.00, respectively, and a revised total contract amount not to exceed \$409,411.25.

7. BACKGROUND/DISCUSSION: The City has received federal Congestion Mitigation and Air Quality (CMAQ) funds for construction of bicycle lanes and an additional left turn lane under the Price Loop 101 Freeway at Chandler Boulevard.

This project consists of design for bicycle lanes in both the eastbound and westbound directions to provide bicycle lane connectivity and a second left turn lane for westbound to southbound traffic movements under the Price Loop 101 Freeway underpass bridge retaining wall, landscaping, street lighting, traffic signals, traffic signal interconnects, and utility relocations.

The initial subsurface and geotechnical investigation, performed as part of the original design, determined that the existing bridge abutment fill material was not well compacted. Thus, the soil has potential to become unstable during construction operations associated with removal and relocation of the existing retaining wall. Scope of work for Amendment No. 1 consisted of a geotechnical structural soil nail analysis and additional construction plans and details necessary to ensure safety and constructability of the project improvements.

Requirements in accordance with the Americans with Disability Act (ADA) have changed recently for all construction performed after March 2012. Amendment No. 2 consists of modifications to the existing sidewalks and ramps to ensure compliance with ADA requirements. Scope of work also includes preparation of construction sequence and Maintenance of Traffic (MOT) plans necessary to comply with new permit requirements for construction in the Arizona Department of Transportation (ADOT) rights-of-way.

A separate Construction Manager contract for professional services during construction will be advertised and brought forward for council approval at a later date.

8. EVALUATION: Ritoch-Powell & Associates was selected in accordance with established City policies and procedures. Council awarded the Design Consultant Services contract on October 22, 2009. Staff has reviewed the scope and fee and found them to be fair and reasonable.

9. FINANCIAL IMPLICATIONS:

Cost: \$360,807.00 Original Contract
 \$ 8,914.00 Amendment No. 1 (2.5% of Original) Staff Approved
 \$ 39,690.25 Amendment No. 2
 \$409,411.25 Total

Savings: (cost of removing and replacing sidewalk ramps)

Long Term Costs: N/A

Fund Source:

<u>Acct. No.:</u>	<u>Fund Name:</u>	<u>Program Name:</u>	<u>CIP Funded:</u>	<u>Amount:</u>
411.3310.0000.6517.9ST650	GO Bonds	Chandler Blvd Bike Lanes @ Loop 101	FY08/09	\$39,690.25
411.3310.0000.6517.9ST650	GO Bonds	Chandler Blvd Bike Lanes @ Loop 101	FY08/09	\$ 8,914.00

10. PROPOSED MOTION: Move that Council award Contract Amendment No. 2 and approve staff executed Contract Amendment No. 1 to Ritoch-Powell & Associates for Chandler Boulevard and Price Loop 101 Bike Lane and Left Turn Lane Improvements, Project No. ST0806-202, in amounts not to exceed \$39,690.25 and \$8,914.00, respectively, and a revised total contract amount not to exceed \$409,411.25.

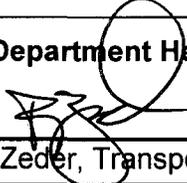
ATTACHMENTS: Location Map, Amendment No. 1 and 2

APPROVALS

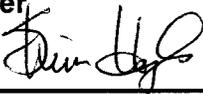
11. Requesting Department


Daniel W. Cook, Transportation Manager

13. Department Head


R.J. Zeder, Transportation & Development Director

12. City Engineer

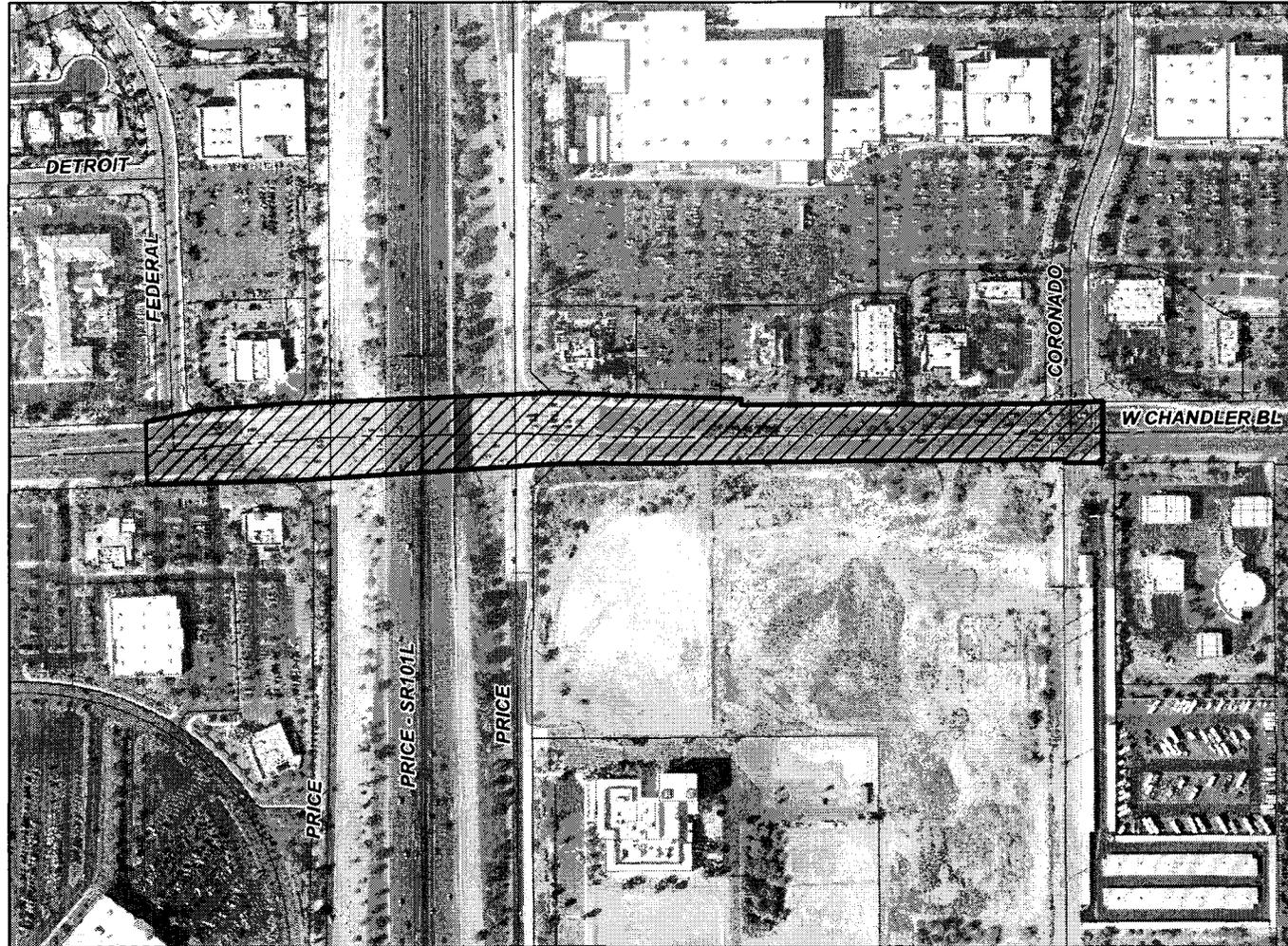
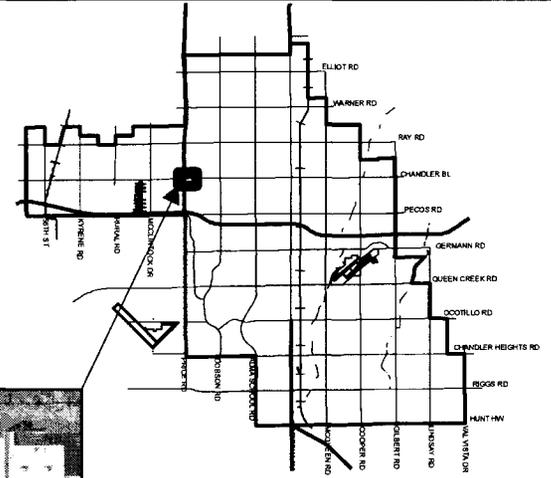

Sheina Hughes, City Engineer

14. City Manager


Rich Dlugas



CHANDLER BL AND PRICE RD BIKE LANE AND LEFT LANE IMPROVEMENTS ST0806-202



MEMO NO. CA12-039





Chandler Arizona

AMENDMENT NUMBER 1

Project Name: Chandler Boulevard and Price Loop 101 Bicycle Lane and Left Turn Lane Improvements
Project No.: ST0806-202

This Amendment No. 1 to that certain Agreement between the City Of Chandler (CITY) and Ritoch-Powell dated for Chandler Boulevard and Price Loop 101 Bicycle Lane and Left Turn Lane Improvements is entered into this 25 day of OCT, 2010.

WHEREAS the parties have determined that it is necessary and desirable for DESIGN CONSULTANT to perform additional services for CITY;

NOW THEREFORE, the parties agree as follows:

1. Section 1, of the above referenced Agreement, is hereby; amended by adding additional scope of work described in more detail in **Exhibit A** attached hereto and incorporated herein by reference.
2. Section 2, of the above referenced Agreement, is hereby; amended by increasing the total contract price by an amount not to exceed the sum of **Eight Thousand Nine Hundred Fourteen Dollars, (\$8,914)** for a total Contract Price not to exceed the sum of **Three Hundred Sixty Nine Thousand Seven Hundred Twenty One Dollars (\$369,721)** of all payable in accordance with **Exhibit B**, attached hereto and incorporated herein by reference.
3. Section 3, of the above referenced Agreement is hereby amended by increasing the Contract Time by **Thirty-Six (36)** days for a total Contract Time of **Four Hundred One (401)** days from the original Notice to Proceed.
4. All other terms and conditions of the above referenced Agreement shall remain unchanged and in full force and effect.

IN WITNESS WHEREOF, the parties have hereunto subscribed their names this 25 day of October, 2010.

CITY OF CHANDLER:

By: [Signature] 10/25/10
Department Head/Designee Date

APPROVED AS TO FORM:
[Signature]
City Attorney by: [Signature]

ATTEST:
[Signature]
City Clerk

By: [Signature] 11-3-10
Department Head

DESIGN CONSULTANT: Ritoch-Powell
By: [Signature] Karl G. Oberst
Title: President

ATTEST: (If corporation)
[Signature]
Secretary

WITNESS: (If Individual or Partnership)

CE

SEAL

Amendment No. 1 cont.

Project No. ST0806-202

THESE CHANGES RESULT IN THE FOLLOWING ADJUSTMENTS OF CONTRACT PRICE AND TIME

ORIGINAL CONTRACT AMOUNT		\$ 360,807
CURRENT CONTRACT PRICE PRIOR TO THIS AMENDMENT (Including previous amendments)		\$ 360,807
NET INCREASE / DECREASE (Resulting from this amendment)		\$ 8,914
REVISED CONTRACT PRICE (Including this amendment)		\$ 369,721
AMENDMENT PERCENTAGE (Of original contract price)		2%
CONTRACT TIME PRIOR TO THIS AMENDMENT (Including previous amendments).		365 (Days or Date)
NET INCREASE/DECREASE (Resulting from this amendment)		36 (Days or Date)
REVISED CONTRACT TIME (Including this amendment)		401 (Days or Date)
THIS AMENDMENT No. <u>1</u>	Does not Require Council Approval: Less than \$30,000*	<input checked="" type="checkbox"/>
	More than \$30,000 but less than 10% of Contract*	<input type="checkbox"/>
THIS AMENDMENT No. _____	Requires Council Approval Greater than \$30,000*	<input type="checkbox"/>
	Greater than 10% of Contract *	<input type="checkbox"/>
*Including City Manager approved Amendments		
ORIGINAL CONTRACT COUNCIL DATE: <u>10/22/09</u> ITEM NO.:<u>39</u>, if applicable		
COUNCIL APPROVAL: <u>N/A</u> ITEM NO: <u>N/A</u>, if applicable		
CITY OF CHANDLER (Date & Name of Owner Dept. verbal approval): <u>Paul Young 9/20/10</u>		

CC: City Clerk User Dept Project Mgr Consultant Project Analyst File

**EXHIBIT A
SCOPE OF WORK**

The initial subsurface and geologic investigation determined the existing bridge abutment fill material is not a well compacted or native material and might not remain stable during construction operations to remove the existing retaining wall and construct a new retaining wall necessary to provide the additional Chandler Boulevard traffic lane.

DESIGN CONSULTANT shall perform the following additional services to address the above mentioned issue:

B21.12 DESIGN CONSULTANT shall perform Geotechnical Structural Soil Nail Design

- Determine soil nail design parameters
- Determine soil nail spacing
- Provide soil nail design
- Prepare construction documents including notes, details and testing requirements

**EXHIBIT B
FEE SCHEDULE**

CLASSIFICATION	MAN HOURS	LABOR RATES	COSTS
Project Manager	1	\$56.00	\$ 56.00
Senior PE/RLS	3	\$43.00	\$ 129.00
Design Engineer	16	\$30.00	\$ 480.00
CADD Designer	40	\$25.00	\$ 1,000.00
Direct Labor Total	60		\$ 1,665.00
Overhead Rate	141%	Total Labor with Overhead	\$ 2,348.00
Net Fee (Subtotal Labor X 10% Fixed Fee)			\$ 401.00
			Direct Labor Subtotal
			\$ 4,414.00
Sub-consultant	Task		
Ninyo & Moore	Geotechnical		\$ 4,500.00
Sub-consultants Subtotal			\$ 4,500.00
TOTAL			\$ 8,914.00



Chandler Arizona

AMENDMENT NUMBER 2

Project Name: **Chandler Boulevard/Price 101 Bicycle Lane and Left Turn Lane Improvements**
Project No.: **ST0806-202**

This Amendment No. 2 to that certain Agreement between the City Of Chandler (CITY) and Ritoch-Powell & Associates, an Arizona corporation dated October 22, 2009 for Chandler Boulevard/Price 101 Bicycle Lane and Left Turn Lane Improvements is entered into this ____ day of _____, 2011.

WHEREAS the parties have determined that it is necessary and desirable for DESIGN CONSULTANT to perform additional services for CITY;

NOW THEREFORE, the parties agree as follows:

1. Section 3, of the above referenced Agreement, is hereby; amended by adding additional scope of work described in more detail in **Exhibit A** attached hereto and incorporated herein by reference.
2. Section 4, of the above referenced Agreement, is hereby; amended by increasing the total contract price by an amount not to exceed the sum of **Thirty Nine Thousand Six Hundred Ninety Dollars and Twenty Five Cents, (\$39,690.25)** for a total Contract Price not to exceed the sum of **Four Hundred Nine Thousand Four Hundred Eleven Dollars and Twenty Five Cents (\$409,411.25)** of all payable in accordance with Exhibit B, attached hereto and incorporated herein by reference.
3. Section 5, of the above referenced Agreement is hereby amended by increasing the Contract Time by **Three Hundred and Sixty Five (365)** calendar days for a total Contract Time of **Seven Hundred Sixty Six (766)** calendar days from the original Notice to Proceed.
4. All other terms and conditions of the above referenced Agreement shall remain unchanged and in full force and effect.

IN WITNESS WHEREOF, the parties have hereunto subscribed their names this ____ day of _____, 2011.

CITY OF CHANDLER:

By: _____
MAYOR Date

APPROVED AS TO FORM:

City Attorney by: *[Signature]*
ATTEST: _____

City Clerk

DESIGN CONSULTANT:

By: *[Signature: Karl G. Obergh]*
Title: _____

ATTEST: (If corporation)
[Signature]
Secretary

WITNESS: (If Individual or Partnership)

SEAL

Amendment No. 2 cont.

Project No. ST0806-202

THESE CHANGES RESULT IN THE FOLLOWING ADJUSTMENTS OF CONTRACT PRICE AND TIME

ORIGINAL CONTRACT AMOUNT	\$ 360,807.00
CURRENT CONTRACT PRICE PRIOR TO THIS AMENDMENT (Including previous amendments)	\$ 369,721.00
NET INCREASE / DECREASE (Resulting from this amendment)	\$ 39,690.25
REVISED CONTRACT PRICE (Including this amendment)	\$ 409,411.25
AMENDMENT PERCENTAGE (Of original contract price)	13%
CONTRACT TIME PRIOR TO THIS AMENDMENT (Including previous amendments).	401 (Days or Date)
NET INCREASE/DECREASE (Resulting from this amendment)	365 (Days or Date)
REVISED CONTRACT TIME (Including this amendment)	766 (Days or Date)
THIS AMENDMENT No. _____	Does not Require Council Approval: Less than \$30,000* _____
	More than \$30,000 but less than 10% of Contract* _____
THIS AMENDMENT No. <u>2</u>	Requires Council Approval Greater than \$30,000* _____
	Greater than 10% of Contract * X
*Including City Manager approved Amendments	
ORIGINAL CONTRACT COUNCIL DATE: <u>10/22/09</u> ITEM NO.:<u>39</u>, if applicable	
COUNCIL APPROVAL: _____ ITEM NO: _____, if applicable	
CITY OF CHANDLER (Date & Name of Owner Dept. verbal approval): <u>Paul Young, 9/1/2011</u>	

CC: City Clerk User Dept Project Mgr Consultant Project Analyst File

EXHIBIT A SCOPE OF WORK

Background

The City implemented new project review processes after substantial design was already complete on this project, including Aesthetics' Review Meeting and additional plan submission to Arizona Department of Transportation (ADOT). Also, requirements in accordance with the Americans with Disability Act have changed for all construction performed after March of 2012.

Scope of Work

DESIGN CONSULTANT shall prepare additional plans associated with ADA ramps, 8-foot wide sidewalks, Construction Sequencing Plans, and Maintenance of Traffic Plans to address comments and requirements received from the Aesthetics' Review Meeting and meetings with ADOT, as specified in more detail below:

ADA Ramps

DESIGN CONSULTANT and City staff agreed during Aesthetics Review Board Meeting that construction documents must conform to 2011 ADA requirements. DESIGN CONSULTANT and the City agreed pre-final plans must be revised for ramps to be ADA compliant. The amended scope of services includes:

- Develop preliminary details
- Meet with City staff to discuss details and incorporate comments
- Modify pre-final roadway plans and details
- Revise Cost Estimate and Technical Specifications/Special Provisions
- Incorporate City review comments and finalize plans

Sidewalks (8-foot)

City staff requested pre-final plan revisions to incorporate 8-foot wide sidewalks during Aesthetic Review Board Meeting. Incorporating the 8-foot sidewalk affects drainage, landscape, irrigation and traffic signal plans. The amended scope of services includes modifications to the following:

- Roadway (paving, typical sections, details, and cross sections) plans
- Drainage plans
- Landscape and Irrigation plans (sub-consultant)
- Traffic signal plans (sub-consultant)

Construction Sequencing and Maintenance of Traffic Plans

The existing contract scope does **not** include traffic engineering, preparing construction sequence plans, preparing maintenance of traffic (MOT) plans or preparing special provisions. Construction sequence and MOT plans will be required for ADOT Encroachment Permit application and associated Technical Specifications. The additional scope of services includes:

- Traffic engineering
- General Notes and Legend plans
- Construction Sequence Plans
- MOT plans
- Detail plans
- Quantity take-offs
- Update Cost Estimate
- Develop Technical Specifications/Special Provisions

EXHIBIT B
FEE SCHEDULE

Classification	Man-hours	Labor Rates	Costs
Project Manager	16	\$ 56.00	\$ 896.00
Senior PE/RLS	54	\$ 43.00	\$ 2,322.00
Design Engineer	154	\$ 30.00	\$ 4,620.00
CADD Designer	212	\$ 25.00	\$ 5,300.00
Clerical	7	\$ 21.00	\$ 147.00
Direct Labor Total	443		\$ 13,285.00
Overhead Rate	135%	Total Labor with Overhead	\$ 17,935.00
Net Fee (Subtotal Labor X 10% Fixed Fee)			\$ 3,122.00
Direct Labor Subtotal			\$ 34,342.00
Sub-consultant	Task		
J2 Engineering & Environmental	Landscape, Hardscape & Irrigation		\$ 2,001.03
Lee Engineering	Traffic & Lighting		\$ 3,347.22
Sub-consultants Subtotal			\$ 5,348.25
TOTAL			\$ 39,690.25