



**BOARD OF SUPERVISORS AGENDA ITEM REPORT  
CONTRACTS / AWARDS / GRANTS**

Award  Contract  Grant

Requested Board Meeting Date: 9/4/2018

\* = Mandatory, information must be provided

or Procurement Director Award

**\*Contractor/Vendor Name/Grantor (DBA):**

Arizona Department of Transportation (ADOT)

**\*Project Title/Description:**

RWRD/ADOT Construction Utility Agreement-3SR863

**\*Purpose:**

This retroactive amendment will provide for the Construction Phase Engineering Design Services not included in the Project Design Phase. These services include coordination with ADEQ, As Built Drawing and Survey, and other necessary activities. Because ADOT has no stipulated end in the agreement, the contract under Amendment 1 would extend the contract to June 30, 2019 based on the Project Manager's estimation of the completion date. This amendment is retroactive to reopen the contract that lapsed as there was an extended delay in receiving the revised Addendum and its costs from ADOT.

**\*Procurement Method:**

This IGA is a non-Procurement contract and not subject to Procurement rules.

**\*Program Goals/Predicted Outcomes:**

This will provide for the approvals from ADEQ needed for completion of the RWRD Public Sewers installed and facilitate the RWRD inspections required by RWRD Specifications for acceptance of the Sewer and related work.

**\*Public Benefit:**

These services provide for safe, dependable and efficient operation of the RWRD Public Sewer System.

**\*Metrics Available to Measure Performance:**

The final costs will be compared to the Budgeted costs and the ADEQ approvals indicate that the sewer work has been completed per RWRD Standards.

**\*Retroactive:**

Yes. The proposed changes to the Design Scope of Services was first received in April, 2015, from ADOT and agreed to by RWRD. Due to the loss of the ADOT Project Manager and resulting staff changes, a draft Contract Addendum was not received from ADOT until March of 2017. RWRD then requested revisions to the payments requested, and the final Addendum from ADOT was accepted in June 2018.

*TO: COB - 8-15-18  
GJS - 16  
(2)*

**Contract / Award Information**

Document Type: \_\_\_\_\_ Department Code: \_\_\_\_\_ Contract Number (i.e., 15-123): \_\_\_\_\_  
Effective Date: \_\_\_\_\_ Termination Date: \_\_\_\_\_ Prior Contract Number (Synergen/CMS): \_\_\_\_\_  
 Expense Amount: \$\* \_\_\_\_\_  Revenue Amount: \$ \_\_\_\_\_

**\*Funding Source(s) required:**

Funding from General Fund?  Yes  No If Yes \$ \_\_\_\_\_ % \_\_\_\_\_  
Contract is fully or partially funded with Federal Funds?  Yes  No  
**If Yes, is the Contract to a vendor or subrecipient?** \_\_\_\_\_  
Were insurance or indemnity clauses modified?  Yes  No  
*If Yes, attach Risk's approval.*  
Vendor is using a Social Security Number?  Yes  No  
*If Yes, attach the required form per Administrative Procedure 22-73.*

**Amendment / Revised Award Information**

Document Type: CT Department Code: WW Contract Number (i.e., 15-123): 15-0043  
Amendment No.: 1 AMS Version No.: 3  
Effective Date: July 1, 2016 New Termination Date: June 30, 2019  
Prior Contract No. (Synergen/CMS): \_\_\_\_\_  
 Expense or  Revenue  Increase  Decrease Amount This Amendment: \$ 63,051.00  
Is there revenue included?  Yes  No If Yes \$ \_\_\_\_\_  
**\*Funding Source(s) required:** RWRD Obligations

Funding from General Fund?  Yes  No If Yes \$ \_\_\_\_\_ % \_\_\_\_\_

**Grant/Amendment Information** (for grants acceptance and awards)  Award  Amendment

Document Type: \_\_\_\_\_ Department Code: \_\_\_\_\_ Grant Number (i.e., 15-123): \_\_\_\_\_  
Effective Date: \_\_\_\_\_ Termination Date: \_\_\_\_\_ Amendment Number: \_\_\_\_\_  
 Match Amount: \$ \_\_\_\_\_  Revenue Amount: \$ \_\_\_\_\_

**\*All Funding Source(s) required:**

**\*Match funding from General Fund?**  Yes  No If Yes \$ \_\_\_\_\_ % \_\_\_\_\_  
**\*Match funding from other sources?**  Yes  No If Yes \$ \_\_\_\_\_ % \_\_\_\_\_  
**\*Funding Source:** \_\_\_\_\_

**\*If Federal funds are received, is funding coming directly from the Federal government or passed through other organization(s)?** \_\_\_\_\_

Contact: Glen Peterson (Stephanie Olmedo, 724-4671)  
Department: Regional Wastewater Reclamation Telephone: 724-6349  
Department Director Signature/Date: [Signature] 8/14/18  
Deputy County Administrator Signature/Date: [Signature] 8/14/18  
County Administrator Signature/Date: [Signature] 8/13/18  
*(Required for Board Agenda/Addendum Items)*

Contract No: CT-WW-15-043 Amendment No: 01

This number must appear on all correspondence and documents pertaining to this contract

STATE OF ARIZONA  
DEPARTMENT OF TRANSPORTATION

TRACS No.	086 PM 159 H6806 01C	Location: SR 86, Valencia Rd to Kinney Rd
Project No.	STP-086-A(210)A	Agreement No. 3440-13-PCRWRD
UTILITY:	Pima County Regional Wastewater Reclamation Department Public Works Building 201 N. Stone Avenue, 3 <sup>rd</sup> Floor Tucson, AZ 85701-1207	Agreement Addendum No. 1 Original Agreement AG Contract: P001-2014-002171

Pima County Regional Wastewater Reclamation Department (PIMA COUNTY) and the Arizona Department of Transportation (ADOT) hereby agree to modify the existing referenced Agreement as provided in this Addendum, including Attachments. All other provisions of the Agreement, as modified by any previous addenda, remain in effect.

WHEREAS: Revisions to PIMA COUNTY's facilities design to RELOCATE and/or improve existing PIMA COUNTY facilities have been identified; and

PIMA COUNTY and ADOT desire that understandings reached on payment responsibility for modifications or additional services cost should be added to their AGREEMENT.

THEREFORE: The parties agree that Agreement No. 3440-13-PCRWRD is hereby amended, as described below and as shown on the attached exhibits to this Addendum to include the following services:

- Sewer Plan, Specifications, and Estimate Revision to Incorporate CIPP lining from Manhole 8744-04 to 8477-05A
- ADEQ Notice of Intent and Construction Authorization Coordination
- Sanitary Sewer As-built Survey
- Sewer Plans Material Certification Review
- Response to Contractor RFIs
- Site Visits
- ADEQ Discharge Authorization Coordination

The parties hereto agree that Agreement No. 3440-13-PCRWRD is hereby amended as shown on the attached Exhibit A to represent a cost increase of \$63,051 which reflects a new total Agreement Estimate of \$561,047. All other provisions of Agreement No. 3440-13-PCRWRD shall remain unabrogated.

Addendum No. 1  
3440-13-PCRWRD

IN WITNESS WHEREOF, the parties hereto have executed this AGREEMENT.

ARIZONA DEPARTMENT OF TRANSPORTATION

By \_\_\_\_\_

Date \_\_\_\_\_

Victoria D. Bever  
Utility & Railroad Engineering Manager

PIMA COUNTY

APPROVED:

\_\_\_\_\_  
Chair, Board of Supervisors

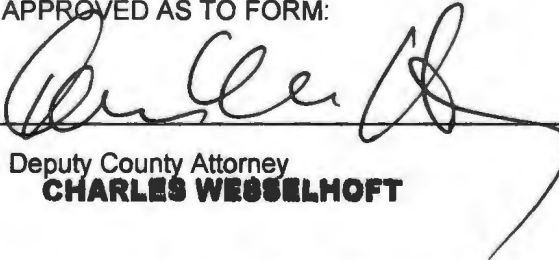
Date \_\_\_\_\_

ATTEST

\_\_\_\_\_  
Clerk of Board

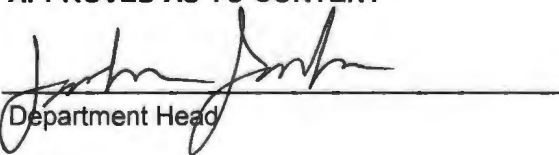
Date \_\_\_\_\_

APPROVED AS TO FORM:

  
Deputy County Attorney  
**CHARLES WESSELHOFT**

Date JUL 31 2018

APPROVED AS TO CONTENT

  
Department Head

Date 8/10/18

ACKNOWLEDGEMENT BY STATE

STATE OF ARIZONA            )  
  ) ss  
COUNTY OF MARICOPA        )

The foregoing instrument was acknowledged by me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

By Victoria D. Bever, Manager of Utility & Railroad Engineering, Arizona Department of Transportation.

My Commission Expires:

\_\_\_\_\_

Notary Public  
Date

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APPROVED

*Michelle Burton*

Assistant Attorney General  
Attorney for Department  
of Transportation

Date 7/24/18

**REVISED EXHIBIT A  
ADDENDUM NO. 1 TO AGREEMENT NO. 3440-13-PCRWRD  
SR 86, VALENCIA ROAD TO KINNEY ROAD**

**PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT (PCRWRD)**

**SUMMARY OF ESTIMATED COST**

	<b>TOTAL</b>
PCRWRD PAYMENT RESPONSIBILITY PER ORIGINAL AGREEMENT	\$ 497,996
<b>ADDITIONAL PCRWRD COST RESPONSIBILITY</b>	
<b>LUMP SUM COST THIS ADDENDUM</b>	<b>\$ 54,827</b>
<b>ADOT ADMISTRATION COST (15%)</b>	<b>\$ 8,224</b>
TOTAL PCRWRD PAYMENT RESPONSIBILITY	<u>\$ 561,047</u>
LESS PAYMENTS RECEIVED TO DATE	-(\$ 497,996)
<b>PCRWRD PAYMENT DUE TO ADOT, THIS ADDENDUM</b>	<u><b>\$ 63,051</b></u>



Michael Baker International  
2929 N. Central Avenue  
Suite 800  
Phoenix, AZ 85012  
(602) 279-1234  
FAX (602) 279-1411

April 1, 2015

Mr. David Brauer, P.E.  
Arizona Department of Transportation  
Intermodal Transportation Division  
Statewide Project Management Group  
1221 S. 2nd Ave MD T100  
Tucson, Arizona 85713-1602

**Project:** ADOT Contract No. 11-03  
SR 86, Valencia Road to Kinney Road (Tucson to Ajo Highway)  
Project No.: STP-086-A(210)T  
TRACS No. 086 PM 159 H6806 ~~01D-024~~

**Subject:** Request for Modification No. 17

Dear Mr. Brauer:

Attached for your consideration is our scope of work and cost proposal for a contract modification. Items in the modification include:

1. Sewer Plan, Specifications, and Estimate Revision to Incorporate CIPP lining. Revised sheets will be added by Addendum.
2. ADEQ Notice of Intent and Construction Authorization Coordination
3. Sanitary Sewer As-built Survey
4. Sewer Plans Material Certification Review
5. Response to Contractor RFIs
6. Site Visits
7. ADEQ Discharge Authorization Coordination

Enclosed with this letter is the following:

1. Scope of Services and Fee Proposal for Michael Baker Jr., Inc.

For performing these services, we are requesting a modification to our basic contract for a

total increase of \$59,173. ~~59,172.42~~ \$54,827.28 ADOT and PCRWRD Agree to Revisions 7/2018

Please call me at 602-798-7560 should you have any questions or require additional information

Sincerely,  
MICHAEL BAKER INTERNATIONAL

Chad Andrews, P.E.  
Project Manager  
cc: Karen Smith  
Enclosures

ADDENDUM 1  
3440-13-PCRWRD  
REVISED EXHIBIT A

### SCOPE OF SERVICES

**Michael Baker International (Baker)** is submitting this scope of services and cost estimate for the above-mentioned project. The scope of services for Contract Modification No. 17 will include:

#### **Task 1 – Sewer Plan, Specifications, and Estimate Revision to Incorporate CIPP lining from manhole 8744-04A to 8744-05A**

Baker shall revise the sewer design plans, specifications, estimates, and flow management plan to add CIPP lining from manhole 8744-04A to 8744-05A. Plans will be prepared at 1"=40' to meet standards and specifications of PCRWRD and Arizona Department of Environmental Quality. A flow management plan will be prepared for this new segment of relining. In order to complete this task, PCRWRD shall provide flow data for the segment of sewer line where the flow management plan will be prepared. Revised sheets will be added by Addendum.

The plans, specs and estimate will adhere to Pima Country and ADOT standards, and will be compatible with the roadway project design elements.

Baker will coordinate the design with PCRWRD.

#### **Task 2 – ADEQ Notice of Intent and Construction Authorization Coordination**

Baker shall work with PCRWRD to complete the notice of intent, prepare a design report, and assemble the required information to submit to ADEQ for a Construction Authorization for the sewer relocations associated with the project. Review fees are not included in this task. Based on discussions with ADEQ, a review fee is not required since this is an ADOT project. As part of this task, Baker shall respond to ADEQ comments and coordinate with ADEQ to obtain the Construction Authorization.

#### **Task 3 – Sanitary Sewer As-built Survey**

Baker shall perform an as-built survey of the new sanitary sewer facilities as shown on the State Highway – State Route 86 Valencia Road to Kinney Road ADOT Highway Widening Improvements Public Sewer System Modifications PCRWRD Plan No. G-2013-085 dated 2-20-15.

The as-built survey will include the following:

1. As-built horizontal location of new steel casing (prior to backfilling) shown on Sheet U-03.05.
2. As-built rim elevation of adjusted manhole (upon completion of construction) shown on Sheet U-03.06.
3. As-built horizontal location of new manholes and rim and invert elevations of new sewer pipe (upon completion of construction) shown on Sheets U-03.07 and U-03.08.
4. As-built horizontal location and invert elevations of new steel casing (prior to backfilling) shown on Sheet U-03.09.
5. As-built rim elevations of adjusted manholes (upon completion of construction) shown on Sheet U-03.10.

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ADDENDUM 1  
3440-13-PCRWRD  
REVISED EXHIBIT A



6. As-built horizontal location of new manholes and rim and invert elevations of new sewer pipe (upon completion of construction) and as-built horizontal location of steel casing (prior to backfilling) shown on Sheet U-03.11.
7. As-built horizontal location of new manholes and rim and invert elevations of new sewer pipe and as-built horizontal location of sewer service cleanouts (upon completion of construction) shown on Sheet U-03.11a.

As-built information will be shown on the plan set noted above. One revision shall be made to the record drawings based on comments received from PCRWRD.

**Task 4 – Sewer Plans Material Certification Review**

Baker shall review the material certifications submitted by the contractor for compliance with the design plans and specifications. This task includes material certification submittal review for the PCRWRD Plan No. G-2013-085 only. Baker has budgeted 90 hours for material certification review. Efforts in excess of 90 hours will require a contract modification.

**Task 5 – Response to Contractor RFIs**

Baker shall review RFIs submitted by the contractor and prepare a written response to each RFI. This task includes responding to RFIs for the PCRWRD Plan No. G-2013-085 only. This task includes coordination with ADOT's resident engineer and/or PCRWRD inspector for each RFI response issued. Baker has budgeted 40 hours for responding to RFIs. Efforts in excess of 40 hours will require a contract modification.

**Task 6 – Site Visits**

Baker shall perform up to two one day site visits to the project site to meet with ADOT and/or contractor, and to review construction progress.

**Task 7 – ADEQ Discharge Authorization Coordination**

Baker shall coordinate with ADEQ as reasonable and necessary to obtain the Discharge Authorization for the project. This task includes completing the Discharge Authorization documents, compiling as-built drawings, test results (provided by contractor), and Engineer's Certificate of Completion (provided by Resident Engineer). Preparation of an O&M manual for the sewer system has not been included in this task and shall be provided by PCRWRD.

**JUSTIFICATION:**

**Task 1 – Sewer Plan, Specifications, and Estimate Revision to Incorporate CIPP lining from manhole 8744-04A to 8744-05A**

This task is being carried out at the request of ADOT and the Pima County Regional Wastewater Reclamation Department to provide additional CIPP lining of the sewer lines.

**Task 2 – ADEQ Notice of Intent and Construction Authorization Coordination**

At the commencement of the project, PCRWRD believed that a formal construction authorization submittal would not be required. It has been determined that a construction authorization issued by ADEQ will be required. PCRWRD does not have the resources to complete the construction authorization application. This task is being carried out at the request of ADOT and the Pima County Regional Wastewater Reclamation Department.

**Task 3 – Sanitary Sewer As-built Survey**

In order to expedite close-out of the sanitary sewer construction, PCRWRD has requested that Baker perform an as-built survey and prepare record documents for the sewer improvement portion of the project. This task is being carried out at the request of ADOT and the Pima County Regional Wastewater Reclamation Department.

**Task 4 – Sewer Plans Material Certification Review**

This task is being carried out at the request of ADOT and the Pima County Regional Wastewater Reclamation Department to provide material certification review during the construction of the sewer plans for the project. The level of effort was estimated at 15 submittals with an estimated review time of 4 hours for the first review and 2 hours for the second review of each submittal.

**Task 5 – Response to Contractor RFIs**

This task is being carried out at the request of ADOT and the Pima County Regional Wastewater Reclamation Department to respond to contractor RFIs during the construction of the sewer improvements for the project.

**Task 6 – Site Visits**

This task is being carried out at the request of ADOT and the Pima County Regional Wastewater Reclamation Department.

**Task 7 – ADEQ Discharge Authorization Coordination**

This task is being carried out at the request of ADOT and the Pima County Regional Wastewater Reclamation Department, to facilitate closing out the sewer improvements portion of the project.

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ADDENDUM 1  
3440-13-PCRWRD  
REVISED EXHIBIT A



SR 86 Valencia Road to Kinney Road  
**Derivation of Fee Sewer**  
 Contract Modification No. 17

Contract No. 11-003  
 TRACS No. H6806-~~000~~  
 024

Firm: Michael Baker Jr. Inc.  
 2929 N. Central Ave, Suite 800  
 Phoenix, Arizona 85012  
 Phone: (602) 279-1234  
 FAX: (602) 279-1411

Project Name: SR 86 Valencia Road  
 to Kinney Road  
 TRACS No.: H6806-~~000~~ 024  
 Contract No.: 2011-003  
 Date: April 1, 2015

DERIVATION OF COST PROPOSAL - SUMMARY  
 CONTRACT MODIFICATION NO. 17  
 (Per Information Bulletin 15-01)

ADOT and PCRWRD agree to  
 Revisions 7/2018

Direct Labor

Classification	Hours	Rate	Cost
Project Principal	0	\$78.00	\$ -
Project Manager	24 ✓ 29	✓ \$54.68	✓ 1,586.72
Senior Project Engineer	161 ✓ 406	✓ \$52.50	✓ 8,452.50
Project Engineer	✓ 46	✓ \$52.30	✓ 2,405.80
Quality Manager	✓ 13	✓ \$57.29	✓ 744.77
Quality Assurance/Quality Control Engineer / Designer	✓ 25	✓ \$55.29	✓ 1,382.25
Technician / Drafter	✓ 109	✓ \$30.23	✓ 3,295.07
ROW Project Coordinator	0	✓ \$36.06	\$ -
Registered Land Surveyor	✓ 16	✓ \$36.06	✓ 576.96
Administrative	✓ 36	✓ \$24.10	✓ 867.60
	460		
Total Estimated Labor			\$ 20,623.17 EC-10
Negotiated OH Rate, Audit Rpt No. PM11-288 155.72% of Total Estimated Labor			\$ 32,144.48 EC-20
Subtotal			\$ 52,767.65
			19,037.27
			29,644.84
			48,682.11

Direct Expenses

(Listed by Item at Estimated Actual Cost - No Mark-up)

Personal Vehicle/Mileage (Per ADOT Policy)	\$ 783.00	783.22
Van Rental	\$ -	
Meals - Location Tucson, Pima (Per ADOT Policy)	\$ 156.00	139.68
Reproduction	\$ 440.00	
Mail & Delivery Service	\$ 82.00	

Total Expense

\$ 1,160.88 EC30

Outside Services and Consultants

DBE	Subconsultant	Hours	Method of Compensation	Cost
Yes	Alpha Engineering	0	LS	\$ - 0.00%
Yes	Archaeological Consulting Services	0	LS	\$ - 0.00%
Yes	Del Sol Group LLC	0	LS	\$ - 0.00%
Yes	DME Consultants, LLC	0	LS	\$ - 0.00%
Yes	Traffic Research & Analysis, Inc.	0	LS	\$ - 0.00%
No	JE Fuller	0	LS	\$ - 0.00%
		0		\$0 0.00%

Total Outside Services

\$ - EC-40

Total Cost to Consultant

\$ 53,899.57 53,898.45

Net Fee [Direct Labor + Overhead] x Multiplier

10.0% \$ 5,273.76 EC-50 49,842.99 4984.29

TOTAL LUMP SUM COST

\$ 59,172.28 EC-64 59,172.21 54,827.28

*Doug Plasencia*

Doug Plasencia, PE  
 Vice President

Date 4/1/2015

*PCRWRD 4/5/15*

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ADDENDUM 1  
 3440-13-PCRWRD  
 REVISED EXHIBIT A

ADOT and PCRWRD Agree to Revisions 7/2018



SR 96 Valencia Road to Kinney Road  
Baker Labor Hours Sewer  
Contract Modification No. 17

Contract No. 11-003  
TRACS No. H8808  
024

Dwg No.	Sheet Title or Task	Scale	No. of Sheets	Hours/Sheet	Total Hours	Proj. Princ.	Proj. Manager	Sen. Proj. Eng.	Proj. Eng.	Quality Mgr.	QA/QC	Eng./Des.	Tech./Draftsman	N/W Project Coordinator	Registered Land Surveyor	Admin.
<b>TASK 4. Sewer Plans Material Certification Review</b>																
	Material Certification Review				114			90			8					16
	Material Certification Review				114			90			8					16
	Total Utilities				114	0	0	90	0	0	8	0	0	0	0	16
<b>TASK 5. Response to Contractor RFIs</b>																
	RFI Response				50			40			4					6
	RFI Response				50			40			4					6
	Total Utilities				50	0	0	40	0	0	4	0	0	0	0	6
<b>TASK 6. SITE VISITS</b>																
	Site Visits				40		20	20								0
	Site Visits				40		20	20								0
	Total Utilities				40	0	20	20	0	0	0	0	0	0	0	0
<b>TASK 7. ADEQ Discharge Authorization Coordination</b>																
	ADEQ Permitting				22			20								2
	ADEQ Discharge Authorization				22			20								2
	Total Utilities				22	0	0	20	0	0	0	0	0	0	0	2
	Total Baker Engineers Hours Pima County Sewer				460	0	29	166	46	13	25	0	109	0	16	36

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Contract 2011-003, Contract Modification 17 - David G. Brauer 4-7-2015															
Sheet Title or Task	Scale	No. of Sheets	Hours/Sheet	Total Hours	Proj. Princ.	Project Manager	Senior Project Engineer	Proj Eng	Quality Mgr	QA/QC	Eng/ Des	Tech/ Drafter	ROW Project Coordinator	Registered Land Surveyor	Admin
<b>TASK 1: Sewer Plan, Specifications and Estimate Revision to Incorporate CIPP Lining</b>															
<b>Utility (U-Series)</b>															
SR 86 Utility Sheets	1"=50'	1	1.0	3		1			1			1			
<b>Total Utility</b>		1		3	0	1	0	0	1	0	0	1	0	0	0
			<b>Average Hours/Sheet</b>	3.0											
<b>Sewer (S-Series)</b>															
CIPP Lining Revision		1	34.0	34				12	2			20			
Review Sewer Sheets				1						1					
<b>Total Sewer</b>		1		35	0	0	0	12	2	1	0	20	0	0	0
<b>Quantities &amp; Estimates</b>															
Quantity Takeoffs	N/A	N/A	N/A	6		1		2	1			2			
Estimates	N/A	N/A	N/A	7		1		2	4						
Coordinate Estimates	N/A	N/A	N/A	3		2				1					
<b>Total Quantities &amp; Estimates</b>				16	0	4	0	4	5	1	0	2	0	0	0
<b>Special Provisions</b>															
Special Provisions	N/A	N/A	N/A	12		1		6	2	1					2
Flow Management Plan				17		1		12	2	1					2
<b>Total Special Provisions</b>				29	0	2	0	18	4	2	0	0	0	0	4
<b>TASK 1 TOTAL</b>				83	0	7	0	34	12	4	0	23	0	0	4
<b>TASK 2: ADEQ Notice of Intent and Construction Authorization Coordination</b>															
<b>Meetings &amp; Utility Coordination</b>															
ADEQ Permit	N/A	N/A	N/A	20		2		12		2		2			2
<b>TASK 2 TOTAL</b>				20	0	2	0	12	0	2	0	2			2
<b>TASK 3: Sanitary Sewer As-built Survey</b>															
<b>As-Built Survey and Record Drawings</b>															
As-Built Survey and Record Drawings				137			16		1	8		88		16	8
<b>TASK 3 TOTAL</b>				137	0	0	16	0	1	8	0	88		16	8
<b>TASK 4: Sewer Plans Material Certification Review</b>															
<b>Material Certification Review</b>															
Material Certification Review				116			80			10					16

Day No.	Sheet Title or Task	Scale	No. of Sheets	Hours/Sheet	Total Hours	Proj. Princ.	Proj. Manager	Sen. Proj. Eng.	Proj. Eng.	Quality Mgr.	QA/QC	Eng. Des.	Tech. Drafter	Proj. Coordinator	Registered Land Surveyor	Admin.
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**TASK 1. Sewer Plan, Specifications, and Estimate Revision to Incorporate CIPP Lining**

<b>Utility (U-Notes)</b>																
	SR 86 Utility Sheets	1"=50'	1	1.0	3		1			1			1			
	<b>Total Utility</b>		1		3	0	1	0	0	1	0	0	1	0	0	0
	<b>Average Hours/She</b>			3.0												
<b>Summary of Sheets</b>																
	CIPP Lining Revision		1	30.0	30				12	2			10			
	Revised Sewer Sheets				1					1						
	<b>Total City of Palm County Water</b>		1		31	0	0	0	12	2	1	0	10	0	0	0

<b>Total Plan Sheets</b>	2
<b>Total Cross Section Sheets</b>	0
<b>Total Sheets</b>	2

<b>Quantities &amp; Estimates</b>																
Quantity Takeoffs	N/A	N/A	N/A	0			1		2	1			2			
Estimates	N/A	N/A	N/A	7					2	4						
Coordinate Estimates	N/A	N/A	N/A	3			2				1					
<b>Total Quantities &amp; Estimates</b>				16	0	4	0	4	5	1	0	2	0	0	0	0

<b>Special Provisions</b>																
Special Provisions	N/A	N/A	N/A	11			1		0	2	1					1
Flow Management Plan				17			1		12	2	1					1
<b>Total Special Provisions</b>				28	0	2	0	10	4	3	0	0	0	0	0	2

**TASK 2. ADEQ Notice of Intent and Construction Authorization Coordination**

<b>Meetings &amp; Coordination</b>																
<b>Utility Coordination</b>																
ADEQ Permit	N/A	N/A	N/A	10			2		12		1		2			2
<b>Total Utilities</b>				10	0	2	0	12	0	1	0	2				2

**TASK 3. Sanitary Sewer As-built Survey**

<b>As-Built Survey and Record Drawings</b>																
As-Built Survey and Record Drawings				137				10		1	0		00		10	0
<b>Total Utilities</b>				137	0	0	10	0	1	0	0	0	00		10	0

178

Personal Vehicle/Mileage (Per ADOT Policy)					
Item	Trips	Miles/Each		Rate	Cost
		Way	Total		
Asbuilt Survey Visits	4	150	1,200	\$0.445	\$534.00
Site Visits	2	140	560	\$0.445	\$249.20
<b>Total Personal Vehicle/Mileage</b>			<b>1,760</b>		<b>\$783.20</b>

Van Rental				
Item	Vehicles	Trips	Rate/day	Cost
Van Rental (1 Van for Kickoff & Field Review)	0	0	\$136.24	\$0.00
Gas	0	0	\$100.00	\$0.00
<b>Total Van Rental</b>				<b>\$0</b>

Meals - Location Tucson, Pima (Per ADOT Policy)					
Item	People	Days	Total	Rate/day	Cost
Utility Coordination Meetings - On-Site	0	0	0	\$13.00	\$0.00
<b>Total Meals (Per ADOT Policy)</b>					<b>\$156</b>

**Outside Reproduction**

Half Size Copies (11x17)	Plan Submittals:			
	Number of Plan Sets			
				Final
ADOT Distribution List				0
Utilities				0
Agencies				4
Subconsultants				0
File Copy				1
Working Sets				4
Extra Sets				0
<b>Total Sets</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>
Est. No. of Dwgs/Set	0	0	0	19
Total Sheets	0	0	0	171
@ \$0.08/sht (11x17) Offsite Printer	\$0.00	\$0.00	\$0.00	\$13.68
Fuel Surcharge for Printer Delivery	\$0.00	\$0.00	\$0.00	\$0.00
Plus \$3.07/Set Binding	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total Costs/Submittal</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$13.68</b>
<b>Total for Plan Submittals</b>				<b>\$13.68</b>

Other Outside Reproduction					
Item	# Sheets	# Copies	Total #	Rate	Cost
Copies (8.5x11)					
Drainage Report - Initial, Draft Final & Final	0	0	0	\$0.035	\$0.00
Utility Report - Initial & Final	0	0	0	\$0.035	\$0.00
Design File and Calculations	0	0	0	\$0.035	\$0.00
Estimate/Bid Schedule (Stage III, IV, V)	0	0	0	\$0.035	\$0.00
Specifications (Stage III, IV, V)	0	0	0	\$0.035	\$0.00
Misc. Correspondence (Stage III, IV, V)	0	0	0	\$0.035	\$0.00
GBC Binding for Utility Report and Specs	0	0	0	\$3.07	\$0.00
3 Ring Binders for Drainage Reports	0	0	0	\$6.90	\$0.00
Color Copies (11x17)	0	0	0	\$1.20	\$0.00
Color Copies (8.5x11)	0	0	0	\$0.65	\$0.00
Color Copies (11x17)	0	0	0	\$1.20	\$0.00
Color Copies (8.5x11)	0	0	0	\$0.65	\$0.00
<b>Total Misc Reproduction</b>					<b>\$0.00</b>

**Total Outside Reproduction \$13.68**

In-House Reproduction with Cost Pooling					
	Sht/Mnth	Rate	Total	No/Months	Cost
Total 8.5 X 11 Copies	0	\$0.05	\$0.00	0	\$0.00
Total 8.5 X 11 Color Copies	0	\$0.50	\$0.00	0	\$0.00
Total 11 X 17 Copies	0	\$0.05	\$0.00	0	\$0.00
Total 11 X 17 Color Copies	0	\$0.50	\$0.00	0	\$0.00
Bond Plots - B/W (3 sets of 17; 24 x 36)	306	\$0.30	\$91.80	1	\$91.80
Bond Plots (Color)	0	\$1.80	\$0.00	0	\$0.00
Final Sealed Vellum Plots	19	\$1.80	\$34.20	1	\$34.20

**Total In-House Reproduction \$126.00**

**Total Reproduction \$440.00** 139.68

Mail & Delivery Service				
Item	# Copies	Est. Trips	Cost/ Trip	Total
Flash Messenger - Miscellaneous	1	4	\$20.50	\$82.00
Flash Messenger - Submittals - Stage III, IV, V	0	0	\$20.50	\$0.00
FedEx Overnight Mail - Submittal - Stage III, IV, V	0	0	\$9.96	\$0.00
<b>Total Mail &amp; Delivery Service</b>				<b>\$82.00</b>

**Total Direct Expense \$1,162.00**



**ARIZONA DEPARTMENT OF TRANSPORTATION  
ENGINEERING CONSULTANTS SECTION**

**Payment Report Form - Lump Sum**

<b>Payment Report No.:</b>	Progress ____ or Final ____	<b>Contract No.:</b>	2011-003		
<b>TRACS No.:</b>	H6806 01D				
<b>Name of Project:</b>	Design of Why to Tucson Hwy SR86 Valencia Rd. to Kinney R.		<b>Month Ending:</b>		
<b>Name of Consultant:</b>	Michael Baker Jr, Inc.		<b>PO Number:</b>	W0091	
<b>Remit to Address:</b>	2929 North central Ave. Ste. 800 Phoenix, AZ 85012				
<b>Contract NTP Date:</b>	10/12/2011	<b>Contract Completion Date:</b>	10/11/2015	<b>% Billed</b>	
				<b>% Completed</b>	
PD Line Number	Description	Total Contract Amount	Previous Accumulative Amount	Current Amount Billing	Total Accumulative Amount
2	Original Contract + CM # 1-17  Phase 1 Tracs No: H680601D Prime Subconsultants 1.1 Sub Alpha Engineering DBE 1.2 Sub ACS DBE 1.3 Sub Del Sol Group DBE 1.4 Sub DME Consultants DBE 1.5 Sub Traffic Research & Analysis DBE 1.6 Sub JE Fuller	Total \$ 3,736,121.00			
3	Additional Scope Tracs H680602U Utility Relocation (3401-12-COTW) Prime Subconsultants None	Total \$ 354,447.00			
3	Additional Scope Tracs H680602U Utility Relocation (3409-12-PCRWRD) Prime Subconsultants None	Total \$ 110,013.00			
	<b>Page Total</b>	<b>\$ 4,200,581.00</b>			
<b>Submitted By</b> _____ <b>Date</b> _____			<b>Total To Date</b>		
<b>Approved By</b> _____ <b>Date</b> _____			<b>Total Previous Report</b>		
<b>Approved By</b> _____ <b>Date</b> _____			<b>Current Report</b>		
ECS 1/16/13					

**ADDENDUM 1  
3440-13-PCRWRD  
REVISED EXHIBIT A**

ARIZONA DEPARTMENT OF TRANSPORTATION  
ENGINEERING CONSULTANTS SECTION

Payment Report Form - Lump Sum

Payment Report No.:	Progress _____ or Final _____	Contract No.:	2011-003		
TRACS No.:	H6806 01D				
Name of Project:	Design of Why to Tucson Hwy SR86 Valencia Rd. to Kinney R	Month Ending:			
Name of Consultant:	Michael Baker Jr, Inc.	PO Number:	W0091		
Remit to Address:	2929 North central Ave. Ste. 800 Phoenix, AZ 85012				
Contract NTP Date:	10/12/2011	Contract Completion Date:	10/11/2015		
		% Billed	% Completed		
PO Line Number	Description	Total Contract Amount	Previous Accumulative Amount	Current Amount Billing	Total Accumulative Amount
	Additional Scope Tracs H680602U Sewer (3409-12-PCRWRD) Prime Subconsultants None				
	Total	\$ 59,172.00			
	<b>Contract Total</b>	\$ 4,259,753.00			
Submitted By	_____	Date	_____	Total To Date	
Approved By	Consultant	Date	_____	Total Previous Report	
Approved By	ADOT Project Manager	Date	_____	Current Report	
	Engineering Consultants Section				

ECS 1/16/13

17.12

ADDENDUM 1  
3440-13-PCRWRD  
REVISED EXHIBIT A