



BOARD OF SUPERVISORS AGENDA ITEM REPORT
CONTRACTS / AWARDS / GRANTS

☐ Award ☒ Contract ☐ Grant

Requested Board Meeting Date: 3/5/19

* = Mandatory, information must be provided

or Procurement Director Award ☐

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

Achen-Gardner Construction, LLC

***Project Title/Description:**

Design-Build Services For: Twin Peaks-Blue Bonnet Road Gravity Sewer Project (3TPBBS)

***Purpose:**

Amendment: Contract No. CT-WW-18-401, Amendment No. Two (2). This amendment increases the contract amount by \$8,490,416.77 for a cumulative not-to-exceed amount of \$11,812,034.78 and incorporates Guaranteed Maximum Price No. Two (GMP-2) for construction services. Administering Department: Regional Wastewater Reclamation.

GMP-2 pertains to project phase 2 (project segments 1 and 3), and provides for all construction activities for this project phase. Due to limited subcontracting opportunities, no Small Business Enterprises (SBE) goal is established for GMP-2.

***Procurement Method:**

Pursuant to Solicitation for Qualifications No. 289179, on 06/19/18, the Board of Supervisors awarded a contract for design and pre-construction services for this project in the amount of \$620,020.25 for a contract term of 06/19/18 to 12/31/20.

Amendment No. One (1) was approved by the Board of Supervisors in the amount of \$2,701,597.76 to incorporate GMP-1 into the contract for construction of project phase 1 (project segment 2).

Attachment: Amendment No. Two (2).

***Program Goals/Predicted Outcomes:**

The Twin Peaks-Blue Bonnet Sewer Augmentation Project will provide sewer service to an area which currently has no service. The sewer services provided under this project will help accelerate development in the area without the need for expensive pump stations.

***Public Benefit:**

Completion of the Twin Peaks-Blue Bonnet Sewer project will result in additional sewer capacity and allow for additional growth in the Dove Mountain and Twin Peaks area.

***Metrics Available to Measure Performance:**

Successfully completing each phase of the project and receiving Arizona Department of Environmental Quality discharge permits within the time allotted for each phase of the project and completion of the entire project within budget.

***Retroactive:**

No

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To: COB. 2.22.19
Ver. 7
pgs. 149
(1) Addendum

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): 18-401Amendment No.: Two (2) AMS Version No.: Seven (7)Effective Date: 3/5/19 New Termination Date: _____

Prior Contract No. (Synergen/CMS): _____

☒ Expense or ☐ Revenue ☒ Increase ☐ Decrease Amount This Amendment: \$ 8,490,416.77Is there revenue included? ☐ Yes ☒ No If Yes \$ _____***Funding Source(s) required:** Regional Wastewater Reclamation ObligationsFunding 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: Keith E. Rogers 2-19-19 2-19-19Department: Procurement 2/21/19 Telephone: 724-3542Department Director Signature/Date: [Signature] 2/20/19Deputy County Administrator Signature/Date: [Signature] 2/21/19County Administrator Signature/Date: [Signature] 2/21/19

(Required for Board Agenda/Addendum Items)

PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT	
PROJECT:	Design-Build Services For: Twin Peaks-Blue Bonnet Road Gravity Sewer Project (3TPBBS)
CONTRACTOR:	Achen-Gardner Construction, LLC 550 South 79th St. Chandler, AZ 85226
CONTRACT NO.:	CT-WW-18-401
AMENDMENT NO.:	Two (2)
FUNDING:	Regional Wastewater Reclamation Department Obligations

CONTRACT TERM: 06/19/2018 - 12/31/2020	ORIGINAL CONTRACT AMOUNT:	\$	620,020.25
TERMINATION PRIOR AMENDMENT: NA	PRIOR AMENDMENT(S):	\$	2,701,597.76
TERMINATION THIS AMENDMENT: 12/31/2020	AMOUNT THIS AMENDMENT:	\$	8,490,416.77
	REVISED CONTRACT AMOUNT:	\$	11,812,034.78

DESIGN-BUILD CONTRACT AMENDMENT

WHEREAS, County and Design-Builder have entered into the Contract for the project referenced above; and

WHEREAS, design and construction of the project was anticipated to be conducted in multiple phases; and

WHEREAS, Guaranteed Maximum Price 1 (GMP-1) was previously incorporated into the Contract for construction of project phase 1 (project segment 2); and

WHEREAS, construction of project phase 1 (project segment 2) is complete; and

WHEREAS, design of project phase 2 (project segments 1 and 3) has reached 100%, allowing Guaranteed Maximum Price 2 (GMP-2) to be developed and awarded; and

WHEREAS, GMP-2 shall pertain to the construction of project phase 2; and

WHEREAS, County and Design-Builder, pursuant to Article 3, have agreed to incorporate GMP-2 into the contract; and

WHEREAS, County's acceptance of GMP-2 is subject to the understanding of the Parties that all elements of future GMPs, if any, are and remain negotiable; and

WHEREAS, County and Design-Builder pursuant to Article 3 have agreed to increase the Contract amount as identified in GMP-2.

NOW, THEREFORE, it is agreed as follows:

CHANGE: ARTICLE 3 – Scope of Services

Add - Exhibit C – Phase 2 – Construction Services – GMP-2 (130 pages) to the contract after Exhibit C – Phase 2 Construction Services – GMP-1.

CHANGE: ARTICLE 5 – Compensation and Payment

Add - as sentence four to Article 5.2 Maximum Payment Amount:
County's total payments to Design-Builder for Phase 2 Work – GMP-2, including sales taxes (if applicable), in the not-to-exceed amount of Eight Million, Four Hundred Ninety Thousand, Four Hundred Sixteen Dollars and Seventy-Seven Cents (\$8,490,416.77).

CHANGE: ARTICLE 6 - Insurance

Change Article 6.4.3.1 – Builder's Risk – Installation Floater

From: Amount equal to the Contract Completed Value \$2,701,597.76.

To: Amount equal to the Contract Completed Value \$8,490,416.77.

This Amendment shall be effective on March 5, 2019.

All other provisions of the Contract, not specifically changed by this amendment, shall remain in effect and be binding upon the Parties.

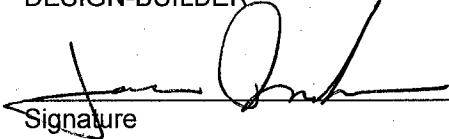
IN WITNESS WHEREOF, the Parties have affixed their signatures to this Amendment on the dates written below.

APPROVED:

Chairman, Board of Supervisors

Date

DESIGN-BUILDER:



Signature

Jason DeCarlo Area Manager
Name and Title (Please Print)

2-21-19

Date

ATTEST:

Clerk of the Board

APPROVED AS TO FORM:



Deputy County Attorney

CHARLES WESSELHOFT

Printed Name

FEB 20 2019

Date



February 6, 2019

E-Mailed: 2-8-19

Keith.Rogers@pima.gov

Keith E. Rogers, CPPB, Procurement Officer
Design & Construction Div.
Pima County Procurement Dept.
130 W. Congress, Third Floor
Mail Stop: DT-AB3-126

RE: Pima County SFQ 289179 (Twin Peaks-Blue Bonnet) Design-Build (DB)
Pima No. 3TPBBS / Achen-Gardner Construction, LLC Project No. 3645100

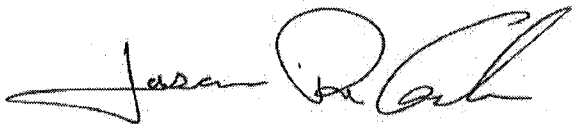
SUBJ: Construction GMP 2 Proposal for Segments 1 & 3 (Revised 2-6-19)

Dear Mr. Rogers:

In accordance with the referenced solicitation and associated DB contract agreement dated 6/19/18 and amendment No1 (Construction GMP 1) effective date 8/20/2018, we here in submit for your approval our revised Segments 1 & 3 Construction Guaranteed Maximum Price (GMP 2) Proposal (Proposal). We propose to complete these services for the GMP of **\$8,086,111.21** which includes Design-Builder Contingencies and Allowances and excludes Owner (or County) Contingencies. It is our understanding that this Proposal will be incorporated as an Amendment to the original Agreement dated 6/19/18.

Should you have any questions or comments, please feel free to contact me at 520-403-4346 or email jdecarlo@achen.com or Dan Spitz at (480) 403-9432 or e-mail dspitza@achen.com.

Sincerely,



Jason DeCarlo, Area Operations Manager

Attachments

cc: File 3645100; David Badger, David.Badger@pima.gov

ACHEN-GARDNER CONSTRUCTION, LLC | www.achen.com

550 SOUTH 79TH STREET | CHANDLER, AZ 85226 | P: 480.940.1300 | P: 800.580.5548 | F: 480.940.4576

ARIZONA: 261745 A, 261746 B-1, 261747 B-4 | COLORADO: 20101257887 | NEW MEXICO: 365027

INDEX OF EXHIBITS

SEGMENT 1 & 3 CONSTRUCTION GMP 2 PROPOSAL (2-6-19)

**Pima County SFQ 289179 (Twin Peaks-Blue Bonnet) Design-Build (DB)
Pima No. 3TPBBS / Achen-Gardner Construction, LLC Project No. 3645100**

- **EXHIBIT 1** **SUMMARY OF THE GMP**
- **EXHIBIT 2** **SCOPE OF WORK**
- **EXHIBIT 3** **SCHEDULE OF VALUES SEG 1**
- **EXHIBIT 4** **SCHEDULE OF VALUES SEG 3**
- **EXHIBIT 5** **LIST OF PLANS AND SPECIFICATIONS USED FOR GMP PROPOSAL**
- **EXHIBIT 6** **LIST OF CLARIFICATIONS, ASSUMPTIONS & EXCLUSIONS SEG 1**
- **EXHIBIT 7** **LIST OF CLARIFICATIONS, ASSUMPTIONS & EXCLUSIONS SEG 3**
- **EXHIBIT 8** **PROJECT SCHEDULE IN CPM FORMAT**
- **EXHIBIT 9** **SEGMENT 1 & 3 CONSTRUCTION PHASE CASH FLOW FORCAST**
- **EXHIBIT 10.1** **SUBCONTRACTOR SELECTION & SBE REQUIREMENTS,
UTILIZATION FORMS, AND LETTERS OF INTENT SEG 1**
- **EXHIBIT 10.2** **SUBCONTRACTOR SELECTION & SBE REQUIREMENTS,
UTILIZATION FORMS, AND LETTERS OF INTENT SEG 3**

EXHIBIT 1 – SUMMARY OF GMP

SEGMENT 1 & 3 CONSTRUCTION GMP 2 PROPOSAL (2-6-19)

**Pima County SFQ 289179 (Twin Peaks-Blue Bonnet) Design-Build (DB)
Pima No. 3TPBBS / Achen-Gardner Construction, LLC Project No. 3645100**

See attached SUMMARY OF GMP PROPOSAL dated 2-6-19 (1 Page) (Below)

TWIN PEAKS - BLUE BONNET RD. GRAVITY SEWER DESIGN-BUILD PROJECT (3TPBBS)

GMP 2 SUMMARY (PRELIMINARY ESTIMATE)

PREPARED BY: ACHEN-GARDNER CONSTRUCTION, LLC (No. 3545100)

CONSTRUCTION	Segment 3	Segment 1	GMP 2 TOTALS
1 CONSTRUCTION COSTS:			
2 Cost of Construction	\$2,781,635.18	\$2,879,136.81	\$5,660,771.99
3 Construction (DB) Contingency	\$139,081.76	\$143,956.84	\$283,038.60
4 Subtotal Direct Construction Costs =	\$2,920,716.94	\$3,023,093.65	\$5,943,810.59
5 INDIRECT CONSTRUCTION COSTS:			
6 General Conditions	\$87,285.75	\$90,748.06	\$178,033.81
7 Overhead	\$304,818.60	\$396,264.18	\$701,082.78
8 Insurance	\$49,692.32	\$52,651.59	\$102,343.91
9 Payment and Performance Bonds	\$17,557.95	\$18,603.56	\$36,161.51
10 Subtotal Indirect Construction Costs (GC, OH, Bonds, & Ins.) =	\$459,354.62	\$558,267.39	\$1,017,622.01
11 Running-Total Direct Construction Costs + GC, OH, Bonds, & Ins. =	\$3,380,071.56	\$3,581,361.04	\$6,961,432.60
12 Construction Fee (\$'s)	\$304,206.44	\$322,322.49	\$626,528.93
13 Construction Fee (Calculated % of Line 11)	9.00%	9.00%	9%
14 Subtotal Fee =	\$304,206.44	\$322,322.49	\$626,528.93
15 Running-Total Direct Construction Costs + GC, OH, Bonds, & Ins.+ Fee =	\$3,684,278.00	\$3,903,683.53	\$7,587,961.53
16 Arizona Gross Receipts Tax (\$'s)	\$241,872.85	\$256,276.82	\$498,149.67
17 Arizona Gross Receipts Tax (Calculated % of Line 15)	6.565%	6.565%	6.565%
18 Subtotal Direct Construction Costs + GC, OH, Bonds, & Ins.+ Fee + Tax =	\$3,926,150.85	\$4,159,960.36	\$8,086,111.21
SEGMENT TOTALS	\$3,926,150.85	\$4,159,960.36	
19 ESTIMATE OF GUARANTEED MAXIMUM PRICE (GMP) =			\$8,086,111.21
20			
21 County Contingency 5%	\$196,307.54	\$207,998.02	\$404,305.56
22			
23 Total Contract Cost			\$8,490,416.77

EXHIBIT 2 – SCOPE OF WORK

SEGMENT 1 & 3 CONSTRUCTION GMP 2 PROPOSAL (2-6-19)

**Pima County SFQ 289179 (Twin Peaks-Blue Bonnet) Design-Build (DB)
Pima No. 3TPBBS / Achen-Gardner Construction, LLC Project No. 3645100**

As advertised, the Project includes the design and construction of a gravity sanitary sewer pipeline necessary to allow for the abandonment of an existing lift station. The Project is being designed and constructed in the following relative geographic Segments and will be delivered in two construction GMPs. This GMP 2 is for the construction of Segments 1 & 3.

Segment 1 – From existing Booster Station (approximately NW Corner Twin Peaks Rd. and Tangerine Rd.) to location of new Segment 2 pipeline just south of Twin Peaks Rd. on Blue Bonnet Rd. (Approximately 11,000 total feet).

Segment 2 - From a location just south of Twin Peaks Rd. on Blue Bonnet Rd. a new pipeline will be installed south along Blue Bonnet Rd. alignment to a temporary tie-in location just south of Linda Vista Blvd. in the Hartman Ln. alignment. (SUBSTANTIALLY COMPLETED)

Segment 3 – From the temporary tie-in location of Segment 2, located just south of Linda Vista Blvd., a new pipeline will be installed in the Hartman Ln. alignment south to a tie-in location in the SW corner of Hartman Ln. and Cortaro Farms Rd.

Current schedule to complete Segment 2 by Dec. 31, 2018 has been achieved. Supplemental Segment 3 and 1 Construction GMPs are planned for 2019 to be constructed by approximately Dec. 31, 2019, subject to available funding and owner managed right-of-way and easement acquisition.

Please refer to prime Design-Build Agreement for related Project scope description and detail.

EXHIBIT 3 – SCHEDULE OF VALUES (SOV) SEG 1

SEGMENT 1&3 CONSTRUCTION GMP 2 PROPOSAL (2-6-19)

**Pima County SFQ 289179 (Twin Peaks-Blue Bonnet) Design-Build (DB)
Pima No. 3TPBBS / Achen-Gardner Construction, LLC Project No. 3645100**

See attached SCHEDULE OF VALUES dated 2-6-19 (2 Pages).
TWIN PEAKS - BLUE BONNET RD. GRAVITY SEWER DESIGN-BUILD PROJECT (3TPBBS).

TWIN PEAKS - BLUE BONNET RD. GRAVITY SEWER DESIGN-BUILD PROJECT (3TPBBS)

ESTIMATE OF GMP - SEGMENT 1

PREPARED BY: ACHEN-GARDNER CONSTRUCTION, LLC (No. 3545100)

Date: 2/6/19

ITEM #	ITEM DESCRIPTION	QTY	UNIT	UP	TOTAL
1030	MOBILIZATION AND DEMOBILIZATION	1	LS	\$58,304.12	\$58,304.12
1035	MOBE FOR BEDNAR PROPERTY	1	LS	\$10,835.92	\$10,835.92
1040	SWPPP / BMP'S IMPLEMENTATION(Install, Maintenance and Inspection)	1	LS	\$61,472.52	\$61,472.52
1042	PUBLIC OUTREACH (Kaneen)	30000	USD	\$1.00	\$30,000.00
1044	TESTING (SAECO)	68560	USD	\$1.00	\$68,560.00
1045	FURNISH WATER & DUST CONTROL	1	LS	\$118,857.12	\$118,857.12
1050	OFF DUTY POLICE	8000	USD	\$1.00	\$8,000.00
1055	FURNISH, INSTALL AND MAINTAIN TRAFFIC CONTROL	25000	USD	\$1.00	\$25,000.00
ST	GENERAL ITEMS				\$381,029.68
1065	BOUNDARY ROPE	20000	LF	\$0.92	\$18,400.00
1070	CLEARING AND GRUBBING (Thick Vegetation)	14	AC	\$4,694.35	\$65,720.90
1080	GRADE NATIVE DIRT (ROW/EASEMENT ESTABLISHMENT)	63200	SY	\$0.39	\$24,648.00
1085	RESTORE PARKWAY GRADING	63200	SY	\$0.33	\$20,856.00
1090	TEMP ACCESS (10 RESIDENCE'S) MAINTAIN	1	LS	\$11,561.50	\$11,561.50
1092	R&R CHAIN LINK FENCE	1000	LF	\$7.20	\$7,200.00
1094	R&R 4 STRAND BARB WIRE FENCE	850	LF	\$7.71	\$6,553.50
1096	DEMO EXISTING METAL BLDG.	1	LS	\$5,000.00	\$5,000.00
1100	REMOVE AND REINSTALL RIP RAP (HAND PLACED)	150	CY	\$256.07	\$38,410.50
ST	GRADING ITEMS				\$198,350.40
1125	REMOVE PAVEMENT (SAW CUT, REMOVE & HAUL 3" AC)	68	SY	\$18.04	\$1,090.72
1126	AC ML TRENCH PATCH (3" AC on 6" ABC)	68	SY	\$107.03	\$7,278.04
1127	MILL PVMT. MOD TYP 1 DETAIL 216 (DESERT FALCON)	47	SY	\$108.34	\$5,091.98
1130	AC OVERLAY PVMT. MOD TYP 1 DTL 216 (DESERT FALCON)	47	SY	\$76.99	\$3,618.53
1140	STRIPING (CMO DE MANANA CROSSING)	1	LS	\$2,076.00	\$2,076.00
ST	PAVING ITEMS				\$19,155.27
1170	CONCRETE COLLAR RWRD DET 212	21	EA	\$530.00	\$11,130.00
1180	REMOVE CONCRETE CUT-OFF WALLS IN WASH (15 LOCATIONS)	200	LF	\$33.26	\$6,652.00
1185	REPLACE CONCRETE CUT-OFF WALLS IN WASH (15 LOCATIONS)	200	LF	\$534.40	\$106,880.00
ST	CONCRETE ITEMS				\$124,662.00
1200	FURNISH AND INSTALL 15" SDR 35 (0' to 15')	8295	LF	\$110.73	\$918,505.35
1205	FURNISH AND INSTALL 16" C-900 (0' to 15')	1195	LF	\$140.62	\$168,040.90
1210	FURNISH AND INSTALL 15" SDR 35 (>15-22')	655	LF	\$165.79	\$108,592.45
1270	36" JACK & BORE (TWIN PEAKS ROAD)	225	LF	\$847.46	\$190,678.50
1292	INSTALL 15" INTO EXISTING 36" SLEEVE	130	LF	\$119.88	\$15,584.40
1293	REMOVE AND REPLACE 5 STRAND BARB WIRE (STATE LAND)	850	LF	\$6.00	\$5,100.00
1295	FURNISH AND INSTALL NEW 60" SEWER MH RWRD 206	21	EA	\$20,545.07	\$431,446.47
1310	DEMO TANGERINE ROAD PUMP STATION	1	LS	\$53,516.89	\$53,516.89
1312	REMOVE AND REPLACE BLOCK WALL (PUMP STATION)	160	SF	\$45.44	\$7,270.40
1314	REMOVE AND REINSTALL GATE (PUMP STATION)	2	EA	\$1,958.16	\$3,916.32
1316	REMOVE AND REINSTALL CHAINLINK FENCE (PUMP STATION)	20	LF	\$85.41	\$1,708.20
1317	R&R CONC PAD WEST SIDE OF DRY PIT (PUMP STATION)	600	SF	\$17.35	\$10,410.00
1320	FURNISH, OPERATE AND MAINTAIN FLOW MANAGEMENT	1	LS	\$109,171.54	\$109,171.54
ST	SEWER ITEMS				\$2,023,941.42
1350	NATIVE PLANT SALVAGE AND RESTORATION COUNTY CONTINGENCY	1		\$0.00	\$0.00
1360	HYDROSEED CLASS 2	568800	SF	\$0.05	\$28,440.00
ST	NATIVE PLANT PRESERVATION/RESTORATION				\$28,440.00
1390	CONSTRUCTION SURVEY / AS-BUILTS PER RWRD STD. SPEC (EEC)	1	LS	\$17,591.48	\$17,591.48
1392	SURVEY AS-BUILTS (EEC)	1	LS	\$8,692.86	\$8,692.86
1395	SURVEY (MISC ITEMS) (EEC)	2966.27	USD	\$1.00	\$2,966.27
1400	POTHOLING (Ex Utilities Ahead of The Construction Crew)	1	LS	\$28,826.76	\$28,826.76
ST	SURVEY				\$58,077.37

1426	POST DESIGN CONSTRUCTION SERVICES (EEC)	45480.67	USD	\$1.00	\$45,480.67
ST	POST DESIGN CONSTRUCTION SERVICES				\$45,480.67
RT	CONSTRUCTION COST (RUNNING TOTAL)				\$2,879,138.81
1440	CONSTRUCTION CONTINGENCY (5%)	143956.84	USD	\$1.00	\$143,956.84
ST	DESIGN-BUILDER CONTINGENCY				\$143,956.84
RT	RUNNING TOTAL				\$3,023,093.65
1450	GENERAL CONDITIONS	6.5	MO	\$13,961.24	\$90,748.06
1460	OVERHEAD	6.5	MO	\$60,963.72	\$396,264.18
ST	GC & OH				\$487,012.24
RT	RUNNING TOTAL				\$3,510,105.89
1470	INSURANCE 1.5%	1.00	LS	\$52,651.59	\$52,651.59
1480	PAYMENT AND PERFORMANCE BOND (.53% LIBERTY)	1.00	LS	\$18,603.56	\$18,603.56
ST	INS & BOND				\$71,255.15
RT	RUNNING TOTAL				\$3,581,361.04
1490	CONSTRUCTION FEE 9%	1.00	LS	\$322,322.49	\$322,322.49
RT	RUNNING TOTAL				\$3,903,683.53
1500	TAX (PIMA CO. 6.1% x 65% = 3.965%)	1.00	LS	\$0.00	\$0.00
1501	TAX (MARANA 10.1\$ x 65% = 6.565%)	1.00	LS	100%	\$256,276.82
ST	ARIZONA GROSS RECEIPTS TAX				\$256,276.82
RT	RUNNING TOTAL				\$4,159,960.36
1510	COUNTY CONTINGENCY 5%	1.00	LS	\$207,998.02	\$207,998.02
RT	ESTIMATE OF GMP - SEGMENT 1				\$4,367,958.37

EXHIBIT 4 – SCHEDULE OF VALUES (SOV) SEG 3

SEGMENT 1&3 CONSTRUCTION GMP 2 PROPOSAL (2-6-19)

**Pima County SFQ 289179 (Twin Peaks-Blue Bonnet) Design-Build (DB)
Pima No. 3TPBBS / Achen-Gardner Construction, LLC Project No. 3645100**

See attached SCHEDULE OF VALUES dated 2-6-19 (2 Pages).
TWIN PEAKS - BLUE BONNET RD. GRAVITY SEWER DESIGN-BUILD PROJECT (3TPBBS)

TWIN PEAKS - BLUE BONNET RD. GRAVITY SEWER DESIGN-BUILD PROJECT (3TPBBS)

ESTIMATE OF GMP - SEGMENT 3

PREPARED BY: ACHEN-GARDNER CONSTRUCTION, LLC (No. 3645100)

Date: 2/6/19

ITEM #	PEC/DT	ITEM DESCRIPTION	QTY	UNIT	UP	TOTAL
730		MOBILIZATION AND DEMOBILIZATION	1	LS	\$58,304.12	\$58,304.12
740		SWPPP / BMP'S IMPLEMENTATION(Install, Maintenance and Inspection)	1	LS	\$32,232.92	\$32,232.92
745		FURNISH WATER & DUST CONTROL	1	LS	\$99,922.60	\$99,922.60
746		PUBLIC OUTREACH (KANEEN)	50725	USD	\$1.00	\$50,725.00
748		TESTING (GEO) (SAECO)	53145	USD	\$1.00	\$53,145.00
750		FURNISH, INSTALL AND MAINTAIN TRAFFIC CONTROL	100000	USD	\$1.00	\$100,000.00
755		BRACE PWR POLES (TEP) Brace 19 Poles	19	EA	\$2,700.00	\$51,300.00
760		OFF DUTY POLICE	16000	USD	\$1.00	\$16,000.00
ST		GENERAL ITEMS				\$461,629.64
772		REMOVE AC PAVEMENT (TRENCH)	3200	SY	\$6.28	\$20,096.00
773		AC TRENCH PATCH (3" AC / 6" ABC)	3200	SY	\$29.13	\$93,216.00
774	216	MILL PVMT. MOD TYPE 1 DETAIL 216	6993	SY	\$6.18	\$43,216.74
776	216	REPLACE PVMT. MOD TYPE 1 DETAIL 216 (2")	6354	SY	\$13.00	\$82,602.00
777		ARAC OVERLAY (CORTARO & HARTMAN) 2"	639	SY	\$19.57	\$12,505.23
778		STRIPING (Hartman & Cortaro)	13232	USD	\$1.00	\$13,232.00
779		REPLACE 65' LOOP DETECTORS CORTARO FARM RD AT HARTMAN	3	EA	\$3,500.00	\$10,500.00
ST		GRADING & PAVING ITEMS				\$0.00
786	212	CONCRETE COLLAR RWRD DET 212	21	EA	\$530.00	\$11,130.00
787	209	REMOVE CURB AND GUTTER PC STD DET 209 TYPE 1	40	LF	\$5.43	\$217.20
790	209	REMOVE VERTICAL CURB PC STD DET 209 TYPE 2	3558	LF	\$2.63	\$9,357.54
800	213	REMOVE CONCRETE HEADER PC STD DET 213	1000	LF	\$1.30	\$1,300.00
810		REMOVE CONCRETE SPILLWAY	3645	SF	\$2.29	\$8,347.05
820	200	REMOVE 4' SIDEWALK PC STD DET 200	2990	SF	\$2.26	\$6,757.40
822	209	REPLACE CURB AND GUTTER STD DET 209 TYPE 1	40	LF	\$72.37	\$2,894.80
824	209	REPLACE VERTICAL CURB STD DET 209 TYPE 2	3558	LF	\$15.73	\$55,967.34
826	213	REPLACE CONCRETE HEADER PC STD DET 213	1000	LF	\$12.39	\$12,390.00
827		REPLACE CONCRETE SPILLWAY	3645	SF	\$10.33	\$37,652.85
828	200	REPLACE 4' SIDEWALK PC STD DET 200	2990	SF	\$13.16	\$39,348.40
ST		CONCRETE ITEMS				\$185,362.58
840		CONSTRUCTION SURVEY (EEC)	1	LS	\$16,008.08	\$16,008.08
844		SURVEY AS-BUILTS (EEC)	1	LS	\$5,630.29	\$5,630.29
845		SURVEY (MISC ITEMS) (EEC)	1894.93	USD	\$1.00	\$1,894.93
860		POTHOLING (Ex Utilities Ahead of The Construction Crew)	1	LS	\$35,312.78	\$35,312.78
ST		SURVEY				\$0.00
890		FURNISH AND INSTALL 15" SDR 35 (0-15')	5168	LF	\$117.71	\$608,325.28
892		FURNISH AND INSTALL 16" C900 (0-15')	1605	LF	\$146.78	\$235,581.90
895		FURNISH AND INSTALL 15" SDR 35 (>15-25')	850	LF	\$163.91	\$139,323.50
900		F&I 15" SDR 35 (0-15') CORTARO RD CROSSING(SLOW PRODUCTION)	144	LF	\$397.59	\$57,252.96
905		SCOUR PROTECTION	3500	SF	\$38.04	\$133,140.00
910		FURNISH & INSTALL NEW 60" MH RWRD 206	18	EA	\$22,100.91	\$397,816.38
920		F & I NEW 8" DIA POLYMER MH #3-1	1	EA	\$65,624.14	\$65,624.14
930		FURNISH AND INSTALL NEW 60" POLYMER MH	2	EA	\$17,784.80	\$35,569.60
940		FURNISH, OPERATE, FLOW MANAGEMENT	1	LS	\$89,453.45	\$89,453.45
ST		SS				\$1,762,087.21
955		POST DESIGN CONSTRUCTION SERVICES (EEC)	38341.7	USD	\$1.00	\$38,341.70
ST		POST DESIGN CONSTRUCTION SERVICES				\$0.00
RT		CONSTRUCTION COST (RUNNING TOTAL)				\$2,781,635.18
860		CONSTRUCTION (DB) CONTINGENCY (5%)	1	LS	\$139,081.76	\$139,081.76
ST		DESIGN-BUILDER CONTINGENCY				\$0.00
RT		RUNNING TOTAL				\$2,920,716.94

970	GENERAL CONDITIONS	5	MO	\$17,457.15	\$87,285.75
980	OVERHEAD	5	MO	\$80,963.72	\$304,818.60
					\$0.00
					\$0.00
ST	GC & OH				\$392,104.35
RT	RUNNING TOTAL				\$3,312,821.29
985	INSURANCE 1.5%	1.00	LS	\$49,692.32	\$49,692.32
990	PAYMENT AND PERFORMANCE BOND (.53% LIBERTY)	1.00	LS	\$17,557.95	\$17,557.95
					\$0.00
					\$0.00
ST	INS & BOND				\$67,250.27
RT	RUNNING TOTAL				\$3,380,071.56
995	CONSTRUCTION FEE 9%	1.00	LS	\$304,206.44	\$304,206.44
RT	RUNNING TOTAL				\$3,684,278.00
997	TAX (PIMA CO. 6.1% x 65% = 3.965%)	1.00	LS	0.00%	\$0.00
998	TAX (MARANA 10.1% x 65% = 6.565%)	1.00	LS	100.00%	\$241,872.85
ST	ARIZONA GROSS RECEIPTS TAX				\$241,872.85
RT	RUNNING TOTAL				\$3,926,150.85
1000	COUNTY CONTINGENCY 5%	1.00	LS	\$196,307.54	\$196,307.54
RT	ESTIMATE OF GMP - SEGMENT 3				\$4,122,458.40

EXHIBIT 5 – LIST OF PLANS AND SPECIFICATIONS USED FOR GMP 2 PROPOSAL

SEGMENT 1&3 CONSTRUCTION GMP 2 PROPOSAL (2-6-19)

**Pima County SFQ 289179 (Twin Peaks-Blue Bonnet) Design-Build (DB)
Pima No. 3TPBBS / Achen-Gardner Construction, LLC Project No. 3645100**

This Construction GMP Amendment is based on the following documents:

- Plans – Twin Peaks – Blue Bonnet Road Gravity Sewer Project (3TPBBS) Segment 1&3, Phase 2 (60%-90% Submittal), Prepared by EEC and Dated 11/2018 (Pages 1-41)
- Design-Build Agreement dated 6-19-18 including amendment No1 Construction GMP 1 (effective date 8/20/2018) and all related solicitations, reports, and referenced planning documents.
- Achen-Gardner's Segment 1&3 Construction GMP 2 Proposal including Exhibits and referenced documents dated February 6, 2019

EXHIBIT 6 – LIST OF CLARIFICATIONS, ASSUMPTIONS, AND EXCLUSIONS SEG 1 SOV

SEGMENT 1&3 CONSTRUCTION GMP 2 PROPOSAL (2-6-19)

**Pima County SFQ 289179 (Twin Peaks-Blue Bonnet) Design-Build (DB)
Pima No. 3TPBBS / Achen-Gardner Construction, LLC Project No. 3645100**

General Exclusions & Clarifications

- 1) SEG 1 Portion of GMP 2 – Design-Builder (DB) will complete the Work in accordance with the Construction Documents and accept in full payment for the Work items listed on EXHIBIT 3 for a **Segment 1 GMP Total of \$4,159,960.36** (Note: This is the sum of the computed total of Segment 1 Schedule of Values (SOV) (Re: EXHIBIT 3) less the County Contingency listed in SUMMARY OF THE GMP 2 Proposal, EXHIBIT 1.

\$ 4,159,960.36 (Four million, One hundred fifty nine thousand, nine hundred sixty dollars and thirty six cents)

The GMP 2 proposal is based upon estimated quantities, approved unit prices included on EXHIBIT 3 - SEG 1 SOV. If there is an error in the GMP 2 proposal or computed totals by the DB it shall be changed and the unit prices listed on the Schedule of Values shall govern.

OWNER shall pay DB for completion of the Work based on actual Measured Quantities and agreed to unit prices in accordance with the included Schedule of Values and Unit Prices (re: Proposal Exhibit 3). It is understood that these individual approved unit prices may include the cost associated with the risk of delivering the work in accordance with Agreement terms. DB is not responsible for the adequacy of County Contingency amount.

- 2) Re: Interpretation of Documents – This GMP 2 will be administered as an Addenda to the Contract Agreement (i.e. amendments). General Scope of Work Task 18.3 shall govern as it relates to precedence of Project documents.
- 3) Re: Existing Utilities – GMP 2 excludes all costs associated with removing, replacing, and/or relocating any existing buried and/or overhead utilities not detailed to be in the plans (re: Exhibit 5) or specifically defined on Exhibit 3. Achen-Gardner does accept responsibility for protecting any existing utilities detailed on the project plans and those that are properly located (i.e. Blue stake). Achen-Gardner reserves the right to utilize Contractor Contingency for those detailed on the plans and be compensated for those not shown on the plans but properly located through Owner Contingency or Owner change order.

- 4) Re: GMP 2 Exhibit 7, Schedule Re: GMP Schedule and Weather Delays - For the purpose of this contract, adverse weather conditions such as average days of rain per month, is assumed to be 1 each per month. A weather-related delay may be claimed on days where rainfall did not actually occur, but follows a day of heavy rain that has impacted the schedule. That is, the first four (4) days of weather-related delays will not result in delays to the project schedule. If the project experiences additional weather-related delays beyond this amount, the DB shall be entitled to a commensurate extension of time associated with the delays and/or a GMP Price adjustment for additional costs associated with but not limited to General Conditions, accelerations, etc.
- 5) Re: Other Contractor Coordination – DB agrees to make a good faith effort in coordinating its work with that of “other” Contractors working w/i the project limits. No other projects, contracts, or contractors have been identified at this time. Achen-Gardner reserves the right to request Owner change order compensation for any additional work not anticipated that results from any of the above conditions.
- 6) Re: GMP 2 EXHIBIT 7, Schedule - Proposed Project Schedule, excludes logic associated with acquiring temporary construction easements or permanent right-of-way of any kind. This GMP 2 Proposal assumes ALL right-of-way and easements required to construct the Project have been or will be acquired by Owner in time to maintain the Project Schedule as presented herein.
- 7) Re: Substantial Completion – As outlined in section 14.03 of the “Design Builder General Conditions” of the Original Contract, the Design Build Team will identify Segment 1 as ready for its “Intended Use” when the segment is issued Discharge Authorization (DA) from ADEQ. At that time the Design Build Team will request that owner issue a certificate for Substantial Completion.
- 8) GMP 2 Included Permits – GMP 2 scope includes acquiring following specific permits:
 - Pima County ROW, Traffic Control & Right of Use Permits
 - Town of Marana ROW, Traffic Control & Right of Use PermitsGMP 2 excludes all costs associated with any other public agency permit & plan review fees, QA (i.e. inspection) costs, impact fees, wildlife protection fees or work, utility company fees and/or any other permit or fee not listed here.
- 9) Re: EXHIBIT 3, SCHEDULE OF VALUES SEG1 – This Proposal’s GMP 2 will be administered as a Measured Quantity X approved Unit Price type contract. Final contract price/payout will be based on field measured final completed quantities, approved unit prices (see Exhibit 3), applied fee structure (re: Items 1440 - 1501), and approved Construction (DB) Contingency utilization guaranteed not-to-exceed the Segment 1 amount (see EXHIBIT 1 SEG 1 TOTAL, (\$4,159,960.36) and approved Owner change orders and/or Owner Contingencies. It is understood that these individual approved unit prices, include items with a Unit of 1-Job (JB) and 1- Lump Sum (LS),

include the cost associated with the risk of delivering the work, and are not subject to adjustment unless mutually agreed to. The County reserves the right to audit the DB's records to verify the accuracy and appropriateness of all pricing data, including data used to negotiate this GMP contract amount, use of County Contingency, and any Change Orders. The County reserves the right to decrease the Contract Amount or payments made on this Contract if, upon audit of the DB's records, the audit discloses the DB has provided false, misleading, or inaccurate pricing data used to develop approved unit prices.

- 10)** Re: US Dollars (USD) Items – Items listed on the SOV with a Unit of Measure = USD are items or elements of work for which the DB and County will manage payment utilizing actual costs and established unit prices included in associated recommended subcontractor and supplier proposals (re: EXHIBIT 10.1).
- 11)** Re: Scope of Work - It is understood that the documents listed (i.e. plans, specifications, etc.) have been used to prepare this GMP 2. Item "Descriptions" and "Units" (or unit of measure) included in EXHIBIT 3 shall serve to assist in the clarification of and definition of the scope of work included under each Item of Work (i.e. "Bid Item"). The cost associated with any changes, revisions, additions and/or deletions directed by Owner will be compensated for and funded through an Owner Contingency or Owner Change Order as mutually agreed to by all parties.
- 12)** Re: Hazardous Materials – GMP 2 proposal excludes any and all costs associated with handling and/or disposing of hazardous wastes not introduced by Achen-Gardner.
- 13)** Re: Hard Dig – GMP 2 unit prices exclude any rock excavation requiring blasting and/or hydraulic breakers of any kind. (Hard dig or rock excavation consists of removal of hard, igneous, metamorphic, and/or sedimentary rock which cannot be excavated without blasting or use of a standard track mounted power excavator, equivalent to Caterpillar Model No 349 equipped with a short stick and a 42inch wide, short tip radius rock bucket rated at .81 cubic yard (heaped) capacity. These will be considered "unforeseeable costs" will be eligible for compensation utilizing Construction Contingency.
- 14)** Re: Subcontractor and Supplier pricing – GMP 2 based on Recommended Awarded Subcontractor and Supplier resource values and associated proposal/quote clarifications/inclusions/exclusions/qualifications included in GMP 2 Subcontractor and Supplier Selection Recommendations (See Exhibits 10.1).
- 15)** Re: Work Hours – This GMP is based on working 8 hours per shift (work day) Monday – Friday during daylight hours. Work hours will be scheduled weekly with Owner and its representatives.

Bid Item Scope Exclusions & Clarifications

Bid Item No.	Item Description	Scope Exclusions & Clarifications
1030	Mobilization and Demobilization	Mobilization and demobilization/Transporting of equipment on and off the project for all Items listed in the SOV
1040	SWPPP/BMP's Implementation	Implement items and adhere to the ADEQ general permitment items
1042	Public Outreach Allowance	Based on a factored monthly rate(see Kaneen quote)6 months anticipated. SEG 1 is anticipated to have less Outreach and therefore allocated with a smaller monthly rate tha
1044	Testing GEO	
1045	Furnish Water and Dust Control	To provide construction water and dust control to the sight for 6 month duration
1055	Furnish, Install and Maintain Traffic Control	Traffic control anticipated for the N. end of BB, Side streets and edge line at twin peaks (Intersections or road crossings)
1050	Off Duty Police Allowance	Only anticipated for major Road Crossings.
1080	Restore Parkway Grading	FINE GRADING OF NATIVE ,Within ROW/Easement and TCE Areas.
1090	Temp Access (10 Residencies) Allowance	Assist with home owner access to their property and maintaining drivable surfaces
1096	Remove Relocate Metal Bldg	All necessary replace and or relocation not known at this time (Concrete, Water Sewer). Placed under County Contingency for now
1100	Remove & Replace Rip Rap	Existing Rip Rap to be removed and hauled off. Purchase new Rip Rap and Install (Un-grouted) 15 locations and 10 cy per location priced.
1131thru 1140 & Item 1297	Subgrade and paving items along Tangerine for Forcemain	Due to Pavement Moratoriums and not knowing if we can pump grout through ARV locations. These items will need to be priced at a later time. Placed under county contingency for now
1270 thru 1292	36" Jack and Bore (TP) and pipe install	Includes excavation, shoring and backfill of bore pits. 225 lf of 36" bore and casing w/ .375 wall, install new 15" SDR-35 w/ SS casing spacers. Blow granular material to fill annular space. Cap ends
1310 thru 1320	Pump station Demo and Bypass	Item 1310: demo of pump station to include: Clean Wet Well and Haul Off Material, Rinse Chemical Storage Tank/Clean, clean and Fill existing grit tank, fill existing drywell, remove existing pumps and piping in wet and dry well, remove existing pipe and valves in dry vault, deliver salvaged equipment to PCRWRD. Demo to not start until we have a

		partial DA for bypass setup. Decommissioning of existing electric and control equipment is excluded from GMP and if required will require a Change Order or use of County Contingency.
1320	Furnish, Operate and Maintain Flow Management	Flow Data provided By EEC email dated 1-9-19. Achen assumes 6 weeks of bypass. Schedule of bypass assumed that once Partial DA is issued, The Existing Manhole to be removed and replaced will be done under bypass. to keep bypass to a minimum, the new manhole will be installed and tested per PC standards and at that time submitted to ADEQ to expedite allowing flows through the new manhole
1350	NPPP (Restoration and Salvage	NOT INCLUDED IN DB GMP. In order to meet production/schedule needs it will be imperative that all required ROE, TCE, easement and State land acquisitions are completed no later than May 1, 2019. This item to be covered under Owners Contingency
1400	Potholing Allowance	Pothole utilities in front of production crews
1426	Post Design Construction Services (EEC)	Submittal review and tracking. Special meetings. See EEC Proposal
*	ROW/Easement Access Assumptions	Re 404: it is our understanding that building ramps (Dirt) in and out of the washes is permissible as long as materials are NOT stored in the bottom of the washes. This has been confirmed by Tierra ROW
*	County Contingencies	ALL: NPP Actions

EXHIBIT 7 – LIST OF CLARIFICATIONS, ASSUMPTIONS, AND EXCLUSIONS SEG 3 SOV

SEGMENT 1&3 CONSTRUCTION GMP 2 PROPOSAL (2-6-19)

**Pima County SFQ 289179 (Twin Peaks-Blue Bonnet) Design-Build (DB)
Pima No. 3TPBBS / Achen-Gardner Construction, LLC Project No. 3645100**

General Exclusions & Clarifications

- 1) SEG 3 Portion of GMP 2 – Design-Builder (DB) will complete the Work in accordance with the Construction Documents and accept in full payment for the Work items listed on EXHIBIT 4 for a Segment 3 GMP Total of \$3,926,150.85 (Note: This is the sum of the computed total of Segment 3 Schedule of Values (SOV) (Re: EXHIBIT 4) less the County Contingency listed in SUMMARY OF THE GMP 2 Proposal, EXHIBIT 1.**

\$ 3,926,150.85 (Three million, Nine hundred twenty six thousand, one hundred fifty dollars and eighty five cents)

The GMP 2 proposal is based upon estimated quantities, approved unit prices included on EXHIBIT 4 - SEG 3 SOV. If there is an error in the GMP 2 proposal or computed totals by the DB it shall be changed and the unit prices listed on the Schedule of Values shall govern.

OWNER shall pay DB for completion of the Work based on actual Measured Quantities and agreed to unit prices in accordance with the included Schedule of Values and Unit Prices (re: Proposal Exhibit 4). It is understood that these individual approved unit prices may include the cost associated with the risk of delivering the work in accordance with Agreement terms. DB is not responsible for the adequacy of County Contingency amount.

- 2) Re: Interpretation of Documents – This GMP 2 will be administered as an Addenda to the Contract Agreement (i.e. amendments). General Scope of Work Task 18.3 shall govern as it relates to precedence of Project documents.**
- 3) Re: Existing Utilities – GMP 2 excludes all costs associated with removing, replacing, and/or relocating any existing buried and/or overhead utilities not detailed to be in the plans (re: Exhibit 5) or specifically defined on Exhibit 4. Achen-Gardner does accept responsibility for protecting any existing utilities detailed on the project plans and those that are properly located (i.e. Bluestake). Achen-Gardner reserves the right to utilize Contractor Contingency for those detailed on the plans and be compensated for those not shown on the plans but properly located through Owner Contingency or Owner change order**

- 4) Re: GMP 2 Exhibit 7, Schedule Re: GMP Schedule and Weather Delays - For the purpose of this contract, adverse weather conditions such as average days of rain per month, is assumed to be 1 each per month. A weather-related delay may be claimed on days where rainfall did not actually occur, but follows a day of heavy rain that has impacted the schedule. That is, the first four (4) days of weather-related delays will not result in delays to the project schedule. If the project experiences additional weather-related delays beyond this amount, the DB shall be entitled to a commensurate extension of time associated with the delays and/or a GMP Price adjustment for additional costs associated with but not limited to General Conditions, accelerations, etc.
- 5) Re: Other Contractor Coordination – DB agrees to make a good faith effort in coordinating its work with that of “other” Contractors working w/i the project limits. No other projects, contracts, or contractors have been identified at this time. Achen-Gardner reserves the right to request Owner change order compensation for any additional work not anticipated that results from any of the above conditions.
- 6) Re: GMP 2 EXHIBIT 7, Schedule - Proposed Project Schedule, excludes logic associated with acquiring temporary construction easements or permanent right-of-way of any kind. This GMP Proposal assumes ALL right-of-way and easements required to construct the Project have been or will be acquired by Owner in time to maintain the Project Schedule as presented herein.
- 7) Re: Substantial Completion – As outlined in section 14.03 of the “Design Builder General Conditions” of the Original Contract, the Design Build Team will identify Segment 1 as ready for its “Intended Use” when the segment is issued Discharge Authorization (DA) from ADEQ. At that time the Design Build Team will request that owner issue a certificate for Substantial Completion.
- 8) GMP 2 excludes all costs associated with Town of Marana, and/or other public agency permit & plan review fees, QA (i.e. inspection) costs, impact fees, wildlife protection fees or work, utility company fees and/or any other permit or fee not detailed in EXHIBIT 4 and related EXHIBITS.
- 9) Re: EXHIBIT 3, SCHEDULE OF VALUES SEG1 – This Proposal’s GMP 2 will be administered as a Measured Quantity X Owner approved Unit Price type contract. Final contract price/payout will be based on field measured final completed quantities, approved unit prices (see Exhibit 3), applied fee structure (re: Items (960 - 998), and approved Design-Builder Contingency utilization guaranteed not-to-exceed the Segment 1 amount (see EXHIBIT 1 SEG 1 TOTAL, (\$3,926,150.85) and approved Owner change orders and/or Owner Contingencies. It is understood that these individual approved unit prices, include items with a Unit of 1-Job (JB) and 1- Lump Sum (LS), include the cost associated with the risk of delivering the work, and are not subject to adjustment unless mutually agreed to. The County reserves the right to audit the DB’s records to verify the accuracy and appropriateness of all pricing data, including data used to negotiate this GMP contract amount, use of County Contingency, and any Change Orders. The County reserves the right to decrease the Contract Amount or payments made on this Contract if, upon audit of the DB’s records, the audit discloses the DB has provided false, misleading, or inaccurate pricing data used to develop approved unit prices.

- 10) Re: US Dollars (USD) Items –** Items listed on the SOV with a Unit of Measure = USD are items or elements of work for which the DB and County will manage payment utilizing actual costs and established unit prices included in associated recommended subcontractor and supplier proposals (re: EXHIBIT 10.2).
- 11) Re: Scope of Work -** It is understood that the documents listed (i.e. plans, specifications, etc.) have been used to prepare this GMP 2. Item “Descriptions” and “Units” (or unit of measure) included in EXHIBIT 4 shall serve to assist in the clarification of and definition of the scope of work included under each Item of Work (i.e. “Bid Item”). The cost associated with any changes, revisions, additions and/or deletions directed by Owner will be compensated for and funded through an Owner Contingency or Owner Change Order as mutually agreed to by all parties.
- 12) Re: Hazardous Materials –** GMP 2 proposal excludes any and all costs associated with handling and/or disposing of hazardous wastes not introduced by Achen-Gardner.
- 13) Re: Hard Dig –** GMP 2 unit prices exclude any rock excavation requiring blasting and/or hydraulic breakers of any kind. (Hard dig or rock excavation consists of removal of hard, igneous, metamorphic, and/or sedimentary rock which cannot be excavated without blasting or use of a standard track mounted power excavator, equivalent to Caterpillar Model No 349 equipped with a short stick and a 42inch wide, short tip radius rock bucket rated at .81 cubic yard (heaped) capacity. These will be considered “unforeseeable costs” will be eligible for compensation utilizing Construction Contingency.
- 14) Re: Subcontractor and Supplier pricing –** GMP 2 based on Recommended Awarded Subcontractor and Supplier resource values and associated proposal/quote clarifications/inclusions/exclusions/qualifications included in GMP 2 Subcontractor and Supplier Selection Recommendations (See Exhibits 10.2).
- 15) Re: Work Hours –** This GMP 2 is based on working 8 hours per shift (work day) Monday – Friday during daylight hours. Work hours will be scheduled weekly with Owner and its representatives.

Bid Item Scope Exclusions & Clarifications

Bid Item No.	Item Description	Scope Exclusions & Clarifications
730	Mobilization and Demobilization	Mobilization and demobilization/Transporting of equipment on and off the project for all Items listed in the SOV
740	SWPPP/BMP's Implementation	Implement items and adhere to the ADEQ general permit
745	Furnish Water and Dust Control	To provide water and dust control to the site (5months)
746	Public Outreach Allowance	Based on factored monthly rate (see Kaneen quote) 5 months anticipated. SEG 3 is anticipated to have more outreach and therefor allocated with a larger monthly rate than SEG 1
748	Testing Allowance	See SAECO Proposal
750	Furnish, Install and Maintain Traffic Control	Traffic control anticipated to have sectional closures between driveway as per agreed to by T.O.M.
755	Brace TEP Power Poles	\$2700.00 is based on historical price provided by TEP for a "Day Time" Holding.
760	Off Duty Police Allowance	Only anticipated for major Road Crossings.
	Restore Parkway Grading	Clean and smooth ROW and TCE Areas
772 thru 776	Remove, Replace Pavement	Thickness of AC and ABC is based on our historical data and construction drawings. If thicker or larger sections are required additional funds will need to be acquired from "Owners Contingency"
777	Cortaro rd and Hartman 2" Overlay ARACFC	All Milll and Rubber overlay to be performed during Typical Rubber asphalt seasons for Arizona only.
778	Striping (Cortaro Rd and Hartman Rd) allowance	This is for standard striping (Paint and Glass bead) Thermo at Crosswalks and stop Bars. This will include a Strip back of areas crossed through on Cortaro and include areas damaged/removed or crossed on Hartman. QTYS ASSUMED:
779	Replace loop detectors	This is an allowance number to replace loops that are removed during construction.
860	Potholing Allowance	Pothole utilities in front of production crews
940		Flow Data provided By EEC email dated 1-9-19. Achen assumes 6 weeks of bypass. Schedule of bypass assumed that once Partial DA is issued, The The new Structure will be done under bypass. to keep bypass to a minimum, the new Structure will be installed and tested per PC standards and at

Bid Item Scope Exclusions & Clarifications

Bid Item No.	Item Description	Scope Exclusions & Clarifications
730	Mobilization and Demobilization	Mobilization and demobilization/Transporting of equipment on and off the project for all Items listed in the SOV
740	SWPPP/BMP's Implementation	Implement items and adhere to the ADEQ general permit
745	Furnish Water and Dust Control	To provide water and dust control to the site (5months)
746	Public Outreach Allowance	Based on factored monthly rate (see Kaneen quote) 5 months anticipated. SEG 3 is anticipated to have more outreach and therefor allocated with a larger monthly rate than SEG 1
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777	Cortaro rd and Hartman 2" Overlay ARACFC	All Mill and Rubber overlay to be performed during Typical Rubber asphalt seasons for Arizona only.
778	Striping (Cortaro Rd and Hartman Rd) allowance	This is for standard striping (Paint and Glass bead) Thermo at Crosswalks and stop Bars. This will include a Strip back of areas crossed through on Cortaro and include areas damaged/removed or crossed on Hartman. QTYS ASSUMED:
779	Replace loop detectors	This is an allowance number to replace loops that are removed during construction.
860	Potholing Allowance	Pothole utilities in front of production crews
940		Flow Data provided By EEC email dated 1-9-19. Achen assumes 6 weeks of bypass. Schedule of bypass assumed that once Partial DA is issued, The The new Structure will be done under bypass. to keep bypass to a minimum, the new Structure will be installed and tested per PC standards and at

		that time submitted to ADEQ to expedite allowing flows through the new structure after testing.
955	Post Design Construction Services (EEC)	Submittal review and tracking. Special meetings. See EEC Proposal

EXHIBIT 8 – PROJECT SCHEDULE IN CPM FORMAT

SEGMENTS 1 & 3 CONSTRUCTION GMP 2 PROPOSAL (2-6-19)

**Pima County SFQ 289179 (Twin Peaks-Blue Bonnet) Design-Build (DB)
Pima No. 3TPBBS / Achen-Gardner Construction, LLC Project No. 3645100**

See attached CPM Schedule dated 2/8/19 (pages)

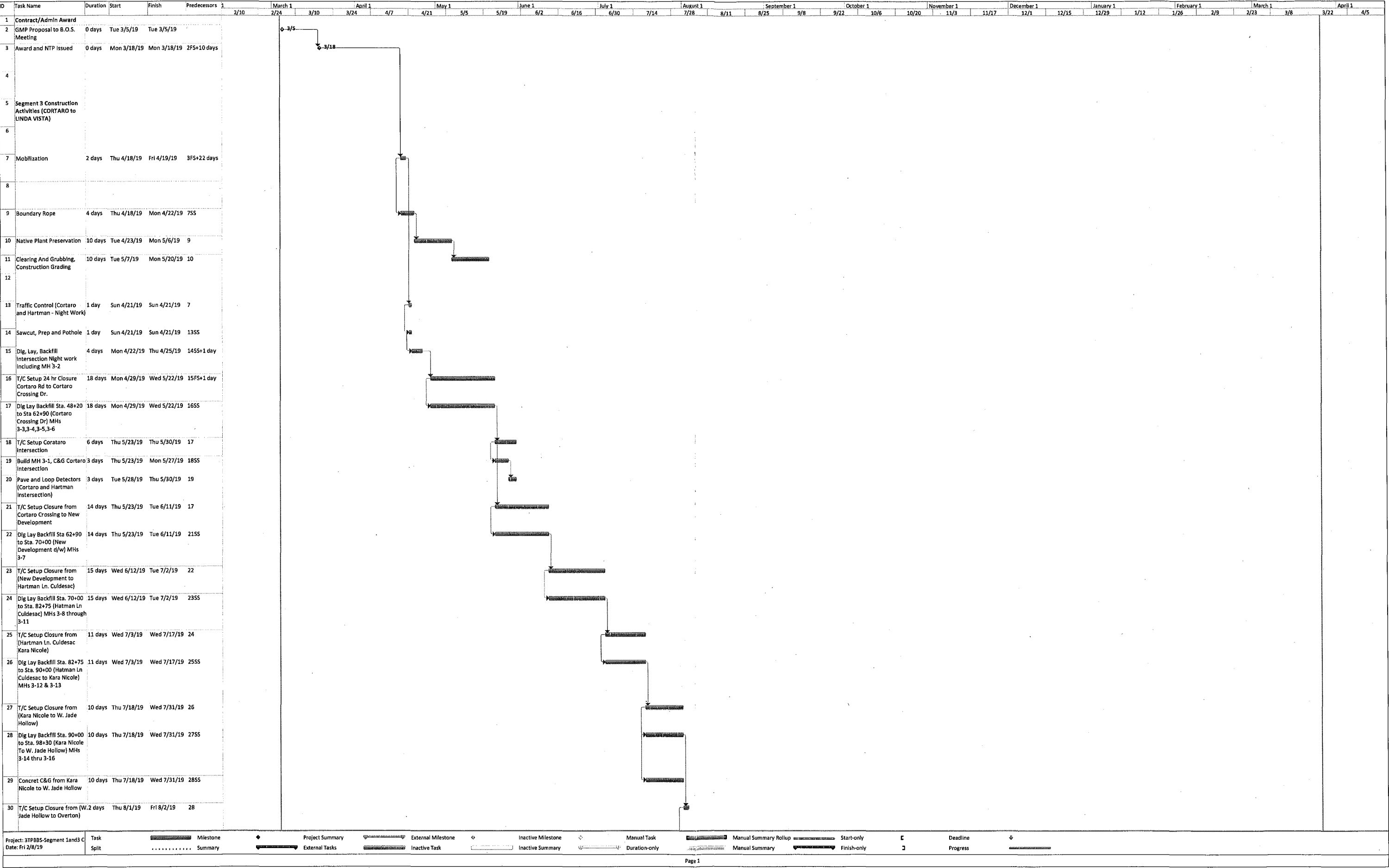
NOTE: This schedule is based on a BOA meeting and approval of March 5th 2019 and Construction NTP issued no later than March 18th 2019.

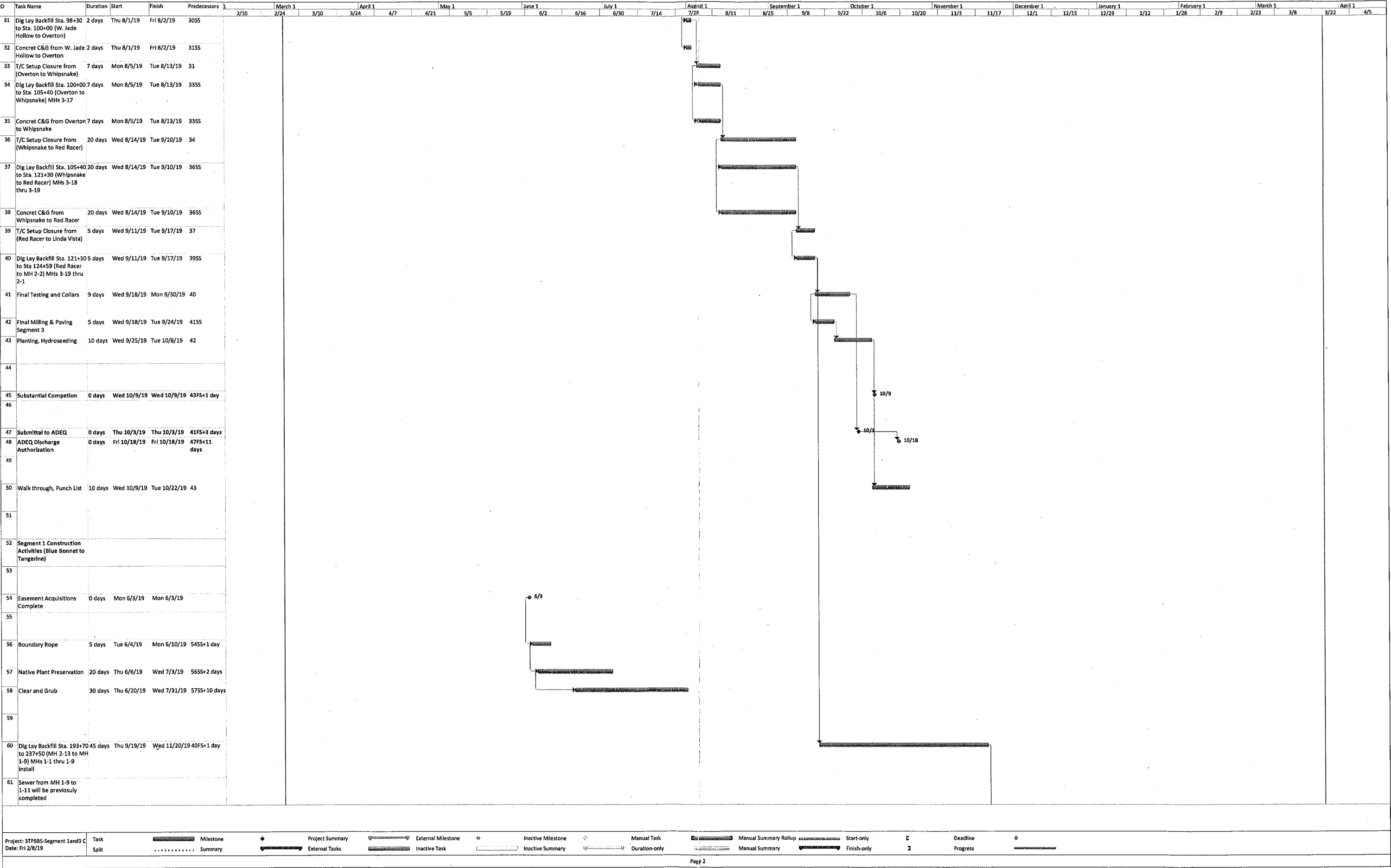
EXHIBIT 9 – SEGMENT 2 CONSTRUCTION PHASE CASH FLOW FORECAST

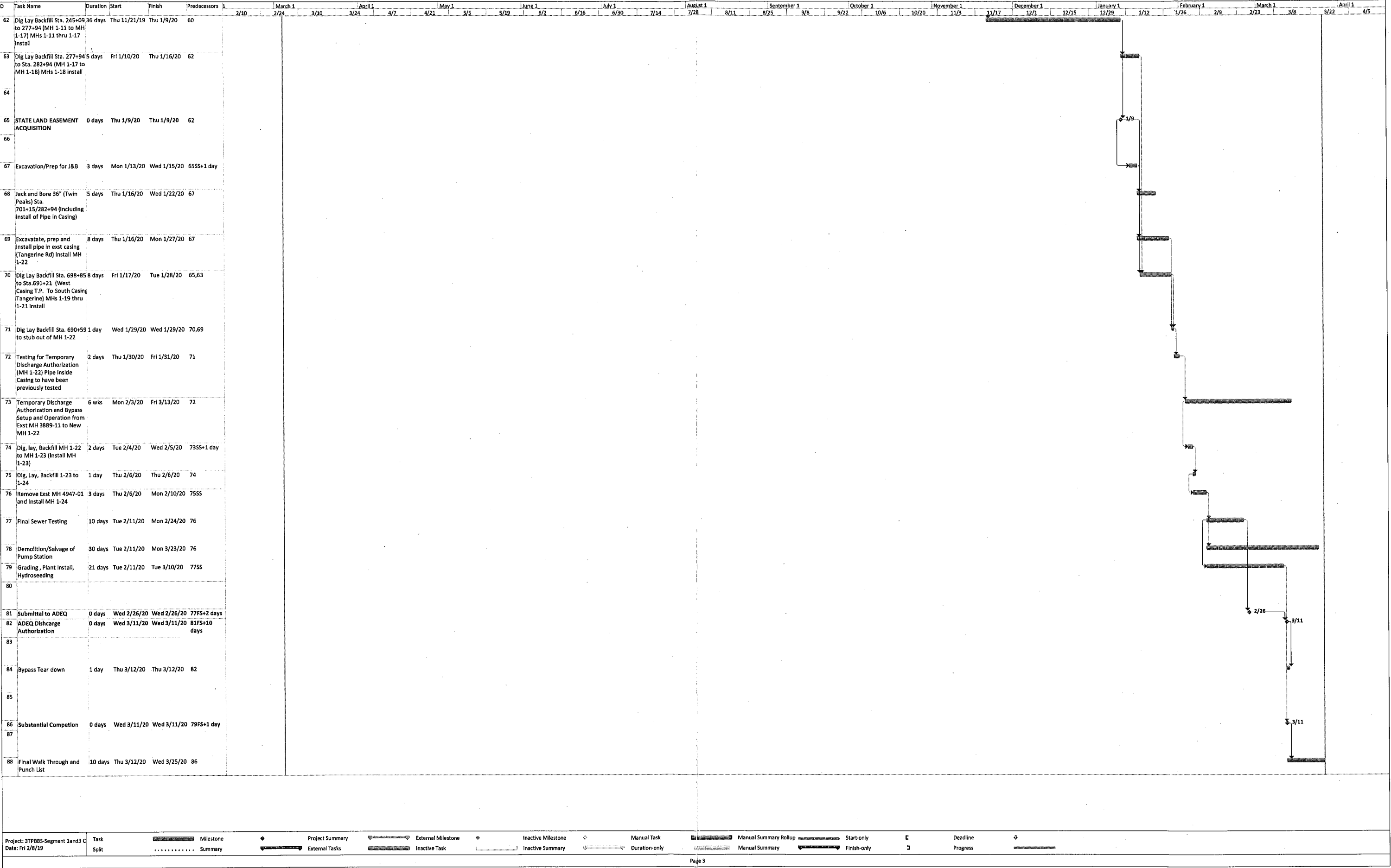
SEGMENT 1 & 3 CONSTRUCTION GMP 2 PROPOSAL (2-6-19)

**Pima County SFQ 289179 (Twin Peaks-Blue Bonnet) Design-Build (DB)
Pima No. 3TPBBS / Achen-Gardner Construction, LLC Project No. 3645100**

See attached Cash Flow Forecast for Segment 1 & 3 dated 2-8-19 (4 Pages)







890	FURNISH AND INSTALL 15" SDR 35 (0-15')	5168	LF	\$117.71	\$608,325.28		\$ 121,665.06	\$ 121,665.06	\$ 121,665.06	\$ 121,665.06	\$ 121,665.06
892	FURNISH AND INSTALL 16" C900 (0-15')	1605	LF	\$146.78	\$235,581.90		\$ 47,116.38	\$ 47,116.38	\$ 47,116.38	\$ 47,116.38	\$ 47,116.38
895	FURNISH AND INSTALL 15" SDR 35 (>15-25')	850	LF	\$163.91	\$139,323.50		\$ 27,864.70	\$ 27,864.70	\$ 27,864.70	\$ 27,864.70	\$ 27,864.70
900	F&I 15" SDR 35 (0-15') CORTARO RD CROSSING(SLOW PRODUCTION)	144	LF	\$397.59	\$57,252.96		\$ 11,450.59	\$ 11,450.59	\$ 11,450.59	\$ 11,450.59	\$ 11,450.59
905	SCOUR PROTECTION	3500	SF	\$38.04	\$133,140.00		\$ 26,628.00	\$ 26,628.00	\$ 26,628.00	\$ 26,628.00	\$ 26,628.00
910	FURNISH & INSTALL NEW 60" MH RWRD 206	18	EA	\$22,100.91	\$397,816.38		\$ 79,563.28	\$ 79,563.28	\$ 79,563.28	\$ 79,563.28	\$ 79,563.28
920	F & I NEW 8' DIA POLYMER MH #3-1	1	EA	\$65,624.14	\$65,624.14		\$ 13,124.83	\$ 13,124.83	\$ 13,124.83	\$ 13,124.83	\$ 13,124.83
930	FURNISH AND INSTALL NEW 60" POLYMER MH	2	EA	\$17,784.80	\$35,569.60		\$ 7,113.92	\$ 7,113.92	\$ 7,113.92	\$ 7,113.92	\$ 7,113.92
940	FURNISH, OPERATE, FLOW MANAGEMENT	1	LS	\$89,453.45	\$89,453.45		\$ 17,890.69	\$ 17,890.69	\$ 17,890.69	\$ 17,890.69	\$ 17,890.69
ST	SS				\$1,762,087.21	MONTH TOTALS	\$ 352,417.44	\$ 352,417.44	\$ 352,417.44	\$ 352,417.44	\$ 352,417.44
955	POST DESIGN CONSTRUCTION SERVICES (EEC)	38341.7	USD	\$1.00	\$38,341.70		\$ 7,668.34	\$ 7,668.34	\$ 7,668.34	\$ 7,668.34	\$ 7,668.34
					\$0.00						
					\$0.00						
ST	POST DESIGN CONSTRUCTION SERVICES				\$38,341.70	MONTH TOTALS	\$ 7,668.34	\$ 7,668.34	\$ 7,668.34	\$ 7,668.34	\$ 7,668.34
RT	CONSTRUCTION COST (RUNNING TOTAL)				\$2,781,635.18						
960	CONSTRUCTION (DB) CONTINGENCY (5%)	1	LS	\$139,081.76	\$139,081.76						
					\$0.00						
					\$0.00						
ST	DESIGN-BUILDER CONTINGENCY				\$139,081.76	MONTH TOTALS	\$ -	\$ -	\$ -	\$ -	\$ -
RT	RUNNING TOTAL				\$2,920,716.94						
970	GENERAL CONDITIONS	5	MO	\$17,457.15	\$87,285.75		\$ 17,457.15	\$ 17,457.15	\$ 17,457.15	\$ 17,457.15	\$ 17,457.15
980	OVERHEAD	5	MO	\$60,963.72	\$304,818.60		\$ 60,963.72	\$ 60,963.72	\$ 60,963.72	\$ 60,963.72	\$ 60,963.72
					\$0.00						
					\$0.00						
ST	GC & OH				\$392,104.35	MONTH TOTALS	\$ 78,420.87	\$ 78,420.87	\$ 78,420.87	\$ 78,420.87	\$ 78,420.87
RT	RUNNING TOTAL				\$3,312,821.29						
985	INSURANCE 1.5%	1.00	LS	\$49,692.32	\$49,692.32		\$ 9,938.46	\$ 9,938.46	\$ 9,938.46	\$ 9,938.46	\$ 9,938.46
990	PAYMENT AND PERFORMANCE BOND (.53% LIBERTY)	1.00	LS	\$17,557.95	\$17,557.95		\$ 3,511.59	\$ 3,511.59	\$ 3,511.59	\$ 3,511.59	\$ 3,511.59
					\$0.00						
					\$0.00						
ST	INS & BOND				\$67,250.27	MONTH TOTALS	\$ 13,450.05	\$ 13,450.05	\$ 13,450.05	\$ 13,450.05	\$ 13,450.05
RT	RUNNING TOTAL				\$3,380,071.56	RUNNING	\$ 648,197.96	\$ 648,197.96	\$ 648,197.96	\$ 648,197.96	\$ 648,197.96
995	CONSTRUCTION FEE 9%	1.00	LS	\$304,206.44	\$304,206.44		\$ 60,841.29	\$ 60,841.29	\$ 60,841.29	\$ 60,841.29	\$ 60,841.29
						MONTH TOTALS	\$ 60,841.29	\$ 60,841.29	\$ 60,841.29	\$ 60,841.29	\$ 60,841.29
RT	RUNNING TOTAL				\$3,684,278.00	RUNNING	\$ 709,039.25	\$ 709,039.25	\$ 709,039.25	\$ 709,039.25	\$ 709,039.25
997	TAX (PIMA CO. 6.1% x 65% = 3.965%)	1.00	LS	0.00%	\$0.00		\$ -	\$ -	\$ -	\$ -	\$ -
998	TAX (MARANA 10.1\$ x 65% = 6.565%)	1.00	LS	100.00%	\$241,872.85		\$ 48,374.57	\$ 48,374.57	\$ 48,374.57	\$ 48,374.57	\$ 48,374.57
ST	ARIZONA GROSS RECEIPTS TAX				\$241,872.85	MONTH TOTALS	\$ 48,374.57	\$ 48,374.57	\$ 48,374.57	\$ 48,374.57	\$ 48,374.57
RT	RUNNING TOTAL				\$3,926,150.85	RUNNING	\$ 757,413.82	\$ 757,413.82	\$ 757,413.82	\$ 757,413.82	\$ 757,413.82
1000	COUNTY CONTINGENCY 5%	1.00	LS	\$196,307.54	\$196,307.54						
						MONTH TOTALS	\$ -	\$ -	\$ -	\$ -	\$ -
RT	ESTIMATE OF GMP - SEGMENT 3				\$4,122,458.40	GROSS MONTHLY	\$ 757,413.82	\$ 757,413.82	\$ 757,413.82	\$ 757,413.82	\$ 757,413.82

TWIN PEAKS - BLUE BONNET RD. GRAVITY SEWER DESIGN-BUILD PROJECT (3TPBBS)

ESTIMATE OF GMP - SEGMENT 3

EXHIBIT 9 CASH FLOW CHART

PREPARED BY: ACHEN-GARDNER CONSTRUCTION, LLC (No. 3645100)

Date: 2/6/19

ITEM #	ITEM DESCRIPTION	QTY	UNIT	UP	TOTAL		APRIL	MAY	JUNE	JULY	AUGUST
730	MOBILIZATION AND DEMOBILIZATION	1	LS	\$58,304.12	\$58,304.12		\$ 11,660.82	\$ 11,660.82	\$ 11,660.82	\$ 11,660.82	\$ 11,660.82
740	SWPPP / BMP'S IMPLEMENTATION(Install, Maintenance and Inspection)	1	LS	\$32,232.92	\$32,232.92		\$ 6,446.58	\$ 6,446.58	\$ 6,446.58	\$ 6,446.58	\$ 6,446.58
745	FURNISH WATER & DUST CONTROL	1	LS	\$99,922.60	\$99,922.60		\$ 19,984.52	\$ 19,984.52	\$ 19,984.52	\$ 19,984.52	\$ 19,984.52
746	PUBLIC OUTREACH (KANEEN)	50725	USD	\$1.00	\$50,725.00		\$ 10,145.00	\$ 10,145.00	\$ 10,145.00	\$ 10,145.00	\$ 10,145.00
748	TESTING (GEO) (SAECO)	53145	USD	\$1.00	\$53,145.00		\$ 10,629.00	\$ 10,629.00	\$ 10,629.00	\$ 10,629.00	\$ 10,629.00
750	FURNISH, INSTALL AND MAINTAIN TRAFFIC CONTROL	100000	USD	\$1.00	\$100,000.00		\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00
755	BRACE PWR POLES (TEP) Brace 19 Poles	19	EA	\$2,700.00	\$51,300.00		\$ 10,260.00	\$ 10,260.00	\$ 10,260.00	\$ 10,260.00	\$ 10,260.00
760	OFF DUTY POLICE	16000	USD	\$1.00	\$16,000.00		\$ 3,200.00	\$ 3,200.00	\$ 3,200.00	\$ 3,200.00	\$ 3,200.00
ST	GENERAL ITEMS				\$461,629.64	MONTH TOTALS	\$ 92,325.93	\$ 92,325.93	\$ 92,325.93	\$ 92,325.93	\$ 92,325.93
772	REMOVE AC PAVEMENT (TRENCH)	3200	SY	\$6.28	\$20,096.00		\$ 4,019.20	\$ 4,019.20	\$ 4,019.20	\$ 4,019.20	\$ 4,019.20
773	AC TRENCH PATCH (3" AC / 6' ABC)	3200	SY	\$29.13	\$93,216.00		\$ 18,643.20	\$ 18,643.20	\$ 18,643.20	\$ 18,643.20	\$ 18,643.20
774	MILL PVMT. MOD TYPE 1 DETAIL 216	6993	SY	\$6.18	\$43,216.74		\$ 8,643.35	\$ 8,643.35	\$ 8,643.35	\$ 8,643.35	\$ 8,643.35
776	REPLACE PVMT. MOD TYPE 1 DETAIL 216 (2")	6354	SY	\$13.00	\$82,602.00		\$ 16,520.40	\$ 16,520.40	\$ 16,520.40	\$ 16,520.40	\$ 16,520.40
777	ARAC OVERLAY (CORTARO & HARTMAN) 2"	639	SY	\$19.57	\$12,505.23		\$ 2,501.05	\$ 2,501.05	\$ 2,501.05	\$ 2,501.05	\$ 2,501.05
778	STRIPING (Hartman & Cortaro)	13232	USD	\$1.00	\$13,232.00		\$ 2,646.40	\$ 2,646.40	\$ 2,646.40	\$ 2,646.40	\$ 2,646.40
779	REPLACE 65' LOOP DETECTORS CORTARO FARM RD AT HARTMAN	3	EA	\$3,500.00	\$10,500.00		\$ 2,100.00	\$ 2,100.00	\$ 2,100.00	\$ 2,100.00	\$ 2,100.00
					\$0.00						
ST	GRADING & PAVING ITEMS				\$275,367.97	MONTH TOTALS	\$ 55,073.59	\$ 55,073.59	\$ 55,073.59	\$ 55,073.59	\$ 55,073.59
786	CONCRETE COLLAR RWRD DET 212	21	EA	\$530.00	\$11,130.00		\$ 2,226.00	\$ 2,226.00	\$ 2,226.00	\$ 2,226.00	\$ 2,226.00
787	REMOVE CURB AND GUTTER PC STD DET 209 TYPE 1	40	LF	\$5.43	\$217.20		\$ 43.44	\$ 43.44	\$ 43.44	\$ 43.44	\$ 43.44
790	REMOVE VERTICAL CURB PC STD DET 209 TYPE 2	3558	LF	\$2.63	\$9,357.54		\$ 1,871.51	\$ 1,871.51	\$ 1,871.51	\$ 1,871.51	\$ 1,871.51
800	REMOVE CONCRETE HEADER PC STD DET 213	1000	LF	\$1.30	\$1,300.00		\$ 260.00	\$ 260.00	\$ 260.00	\$ 260.00	\$ 260.00
810	REMOVE CONCRETE SPILLWAY	3645	SF	\$2.29	\$8,347.05		\$ 1,669.41	\$ 1,669.41	\$ 1,669.41	\$ 1,669.41	\$ 1,669.41
820	REMOVE 4' SIDEWALK PC STD DET 200	2990	SF	\$2.26	\$6,757.40		\$ 1,351.48	\$ 1,351.48	\$ 1,351.48	\$ 1,351.48	\$ 1,351.48
822	REPLACE CURB AND GUTTER STD DET 209 TYPE 1	40	LF	\$72.37	\$2,894.80		\$ 578.96	\$ 578.96	\$ 578.96	\$ 578.96	\$ 578.96
824	REPLACE VERTICAL CURB STD DET 209 TYPE 2	3558	LF	\$15.73	\$55,967.34		\$ 11,193.47	\$ 11,193.47	\$ 11,193.47	\$ 11,193.47	\$ 11,193.47
826	REPLACE CONCRETE HEADER PC STD DET 213	1000	LF	\$12.39	\$12,390.00		\$ 2,478.00	\$ 2,478.00	\$ 2,478.00	\$ 2,478.00	\$ 2,478.00
827	REPLACE CONCRETE SPILLWAY	3645	SF	\$10.33	\$37,652.85		\$ 7,530.57	\$ 7,530.57	\$ 7,530.57	\$ 7,530.57	\$ 7,530.57
828	REPLACE 4' SIDEWALK PC STD DET 200	2990	SF	\$13.16	\$39,348.40		\$ 7,869.68	\$ 7,869.68	\$ 7,869.68	\$ 7,869.68	\$ 7,869.68
ST	CONCRETE ITEMS				\$185,362.58	MONTH TOTALS	\$ 37,072.52	\$ 37,072.52	\$ 37,072.52	\$ 37,072.52	\$ 37,072.52
840	CONSTRUCTION SURVEY (EEC)	1	LS	\$16,008.08	\$16,008.08		\$ 3,201.62	\$ 3,201.62	\$ 3,201.62	\$ 3,201.62	\$ 3,201.62
844	SURVEY AS-BUILTS (EEC)	1	LS	\$5,630.29	\$5,630.29		\$ 1,126.06	\$ 1,126.06	\$ 1,126.06	\$ 1,126.06	\$ 1,126.06
845	SURVEY (MISC ITEMS) (EEC)	1894.93	USD	\$1.00	\$1,894.93		\$ 378.99	\$ 378.99	\$ 378.99	\$ 378.99	\$ 378.99
860	POTHOLING (Ex Utilities Ahead of The Construction Crew)	1	LS	\$35,312.78	\$35,312.78		\$ 7,062.56	\$ 7,062.56	\$ 7,062.56	\$ 7,062.56	\$ 7,062.56
					\$0.00						
					\$0.00						
ST	SURVEY				\$58,846.08	MONTH TOTALS	\$ 11,769.22	\$ 11,769.22	\$ 11,769.22	\$ 11,769.22	\$ 11,769.22

	1350	NATIVE PLANT SALVAGE AND RESTORATION COUNTY CONTINGENCY		1		\$0.00	\$0.00		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	1360	HYDROSEED CLASS 2		568800	SF	\$0.05	\$28,440.00		\$ 4,740.00	\$ 4,740.00	\$ 4,740.00	\$ 4,740.00	\$ 4,740.00	\$ 2,370.00	\$ 2,370.00	
							\$0.00									
							\$0.00									
ST		NATIVE PLANT PRESERVATION/RESTORATION					\$28,440.00	MONTH TOTALS	\$ 4,740.00	\$ 4,740.00	\$ 4,740.00	\$ 4,740.00	\$ 4,740.00	\$ 2,370.00	\$ 2,370.00	
	1390	CONSTRUCTION SURVEY / AS-BUILTS PER RWRD STD. SPEC (EEC)		1	LS	\$17,591.48	\$17,591.48		\$ 2,931.91	\$ 2,931.91	\$ 2,931.91	\$ 2,931.91	\$ 2,931.91	\$ 1,465.96	\$ 1,465.96	
	1392	SURVEY AS-BUILTS (EEC)		1	LS	\$8,692.86	\$8,692.86		\$ 1,448.81	\$ 1,448.81	\$ 1,448.81	\$ 1,448.81	\$ 1,448.81	\$ 724.41	\$ 724.41	
	1395	SURVEY (MISC ITEMS) (EEC)		2966.27	USD	\$1.00	\$2,966.27		\$ 494.38	\$ 494.38	\$ 494.38	\$ 494.38	\$ 494.38	\$ 247.19	\$ 247.19	
	1400	POTHOLING (Ex Utilities Ahead of The Construction Crew)		1	LS	\$28,826.76	\$28,826.76		\$ 4,804.46	\$ 4,804.46	\$ 4,804.46	\$ 4,804.46	\$ 4,804.46	\$ 2,402.23	\$ 2,402.23	
ST		SURVEY					\$58,077.37	MONTH TOTALS	\$ 9,679.56	\$ 9,679.56	\$ 9,679.56	\$ 9,679.56	\$ 9,679.56	\$ 4,839.78	\$ 4,839.78	
	1426	POST DESIGN CONSTRUCTION SERVICES (EEC)		45480.67	USD	\$1.00	\$45,480.67		\$ 7,580.11	\$ 7,580.11	\$ 7,580.11	\$ 7,580.11	\$ 7,580.11	\$ 3,790.06	\$ 3,790.06	
ST		POST DESIGN CONSTRUCTION SERVICES					\$45,480.67	MONTH TOTALS	\$ 7,580.11	\$ 7,580.11	\$ 7,580.11	\$ 7,580.11	\$ 7,580.11	\$ 3,790.06	\$ 3,790.06	
RT		CONSTRUCTION COST (RUNNING TOTAL)					\$2,879,136.81	RUNNING MONTHLY	\$ 479,856.14	\$ 479,856.14	\$ 479,856.14	\$ 479,856.14	\$ 479,856.14	\$ 239,928.07	\$ 239,928.07	
	1440	CONSTRUCTION CONTINGENCY (5%)		143956.84	USD	\$1.00	\$143,956.84									
ST		DESIGN-BUILDER CONTINGENCY					\$143,956.84	MONTH TOTALS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
RT		RUNNING TOTAL					\$3,023,093.65	RUNNING MONTHLY	\$ 479,856.14	\$ 479,856.14	\$ 479,856.14	\$ 479,856.14	\$ 479,856.14	\$ 239,928.07	\$ 239,928.07	
	1450	GENERAL CONDITIONS		6.5	MO	\$13,961.24	\$90,748.06		\$ 15,124.68	\$ 15,124.68	\$ 15,124.68	\$ 15,124.68	\$ 15,124.68	\$ 7,562.34	\$ 7,562.34	
	1460	OVERHEAD		6.5	MO	\$60,963.72	\$396,264.18		\$ 66,044.03	\$ 66,044.03	\$ 66,044.03	\$ 66,044.03	\$ 66,044.03	\$ 33,022.02	\$ 33,022.02	
ST		GC & OH					\$487,012.24	MONTH TOTALS	\$ 81,168.71	\$ 81,168.71	\$ 81,168.71	\$ 81,168.71	\$ 81,168.71	\$ 40,584.35	\$ 40,584.35	
RT		RUNNING TOTAL					\$3,510,105.89	RUNNING MONTHLY	\$ 561,024.84	\$ 561,024.84	\$ 561,024.84	\$ 561,024.84	\$ 561,024.84	\$ 280,512.42	\$ 280,512.42	
	1470	INSURANCE 1.5%		1.00	LS	\$52,651.59	\$52,651.59		\$ 8,775.26	\$ 8,775.26	\$ 8,775.26	\$ 8,775.26	\$ 8,775.26	\$ 4,387.63	\$ 4,387.63	
	1480	PAYMENT AND PERFORMANCE BOND (.53% LIBERTY)		1.00	LS	\$18,603.56	\$18,603.56		\$ 3,100.59	\$ 3,100.59	\$ 3,100.59	\$ 3,100.59	\$ 3,100.59	\$ 1,550.30	\$ 1,550.30	
ST		INS & BOND					\$71,255.15	MONTH TOTALS	\$ 11,875.86	\$ 11,875.86	\$ 11,875.86	\$ 11,875.86	\$ 11,875.86	\$ 5,937.93	\$ 5,937.93	
RT		RUNNING TOTAL					\$3,581,361.04	RUNNING MONTHLY	\$ 572,900.70	\$ 572,900.70	\$ 572,900.70	\$ 572,900.70	\$ 572,900.70	\$ 286,450.35	\$ 286,450.35	
	1490	CONSTRUCTION FEE 9%		1.00	LS	\$322,322.49	\$322,322.49		\$ 53,720.42	\$ 53,720.42	\$ 53,720.42	\$ 53,720.42	\$ 53,720.42	\$ 26,860.21	\$ 26,860.21	
RT		RUNNING TOTAL					\$3,903,683.53	RUNNING MONTHLY	\$ 626,621.12	\$ 626,621.12	\$ 626,621.12	\$ 626,621.12	\$ 626,621.12	\$ 313,310.56	\$ 313,310.56	
	1500	TAX (PIMA CO. 6.1% x 65% = 3.965%)		1.00	LS	\$0.00	\$0.00		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	1501	TAX (MARANA 10.1\$ x 65% = 6.565%)		1.00	LS	100%	\$256,276.82		\$ 42,712.80	\$ 42,712.80	\$ 42,712.80	\$ 42,712.80	\$ 42,712.80	\$ 21,356.40	\$ 21,356.40	
ST		ARIZONA GROSS RECEIPTS TAX					\$256,276.82	MONTH TOTALS	\$ 42,712.80	\$ 42,712.80	\$ 42,712.80	\$ 42,712.80	\$ 42,712.80	\$ 21,356.40	\$ 21,356.40	
RT		RUNNING TOTAL					\$4,159,960.36	RUNNING MONTHLY	\$ 669,333.92	\$ 669,333.92	\$ 669,333.92	\$ 669,333.92	\$ 669,333.92	\$ 334,666.96	\$ 334,666.96	
	1510	COUNTY CONTINGENCY 5%		1.00	LS	\$207,998.02	\$207,998.02									
RT		ESTIMATE OF GMP - SEGMENT 1					\$4,367,958.37	GROSS MONTHLY	\$ 669,333.92	\$ 669,333.92	\$ 669,333.92	\$ 669,333.92	\$ 669,333.92	\$ 334,666.96	\$ 334,666.96	

TWIN PEAKS - BLUE BONNET RD. GRAVITY SEWER DESIGN-BUILD PROJECT (3TPBBS)

ESTIMATE OF GMP - SEGMENT 1

EXHIBIT 9 CASH FLOW CHART

PREPARED BY: ACHEN-GARDNER CONSTRUCTION, LLC (No. 3545100)

Date: 2/6/19

ITEM #	ITEM DESCRIPTION	QTY	UNIT	UP	TOTAL		SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH
1030	MOBILIZATION AND DEMOBILIZATION	1	LS	\$58,304.12	\$58,304.12		\$ 9,717.35	\$ 9,717.35	\$ 9,717.35	\$ 9,717.35	\$ 9,717.35	\$ 4,858.68	\$ 4,858.68
1035	MOBE FOR BEDNAR PROPERTY	1	LS	\$10,835.92	\$10,835.92		\$ 1,805.99	\$ 1,805.99	\$ 1,805.99	\$ 1,805.99	\$ 1,805.99	\$ 902.99	\$ 902.99
1040	SWPPP / BMP'S IMPLEMENTATION(Install, Maintenance and Inspection)	1	LS	\$61,472.52	\$61,472.52		\$ 10,245.42	\$ 10,245.42	\$ 10,245.42	\$ 10,245.42	\$ 10,245.42	\$ 5,122.71	\$ 5,122.71
1042	PUBLIC OUTREACH (Kaneen)	30000	USD	\$1.00	\$30,000.00		\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 2,500.00	\$ 2,500.00
1044	TESTING (SAECO)	68560	USD	\$1.00	\$68,560.00		\$ 11,426.67	\$ 11,426.67	\$ 11,426.67	\$ 11,426.67	\$ 11,426.67	\$ 5,713.33	\$ 5,713.33
1045	FURNISH WATER & DUST CONTROL	1	LS	\$118,857.12	\$118,857.12		\$ 19,809.52	\$ 19,809.52	\$ 19,809.52	\$ 19,809.52	\$ 19,809.52	\$ 9,904.76	\$ 9,904.76
1050	OFF DUTY POLICE	8000	USD	\$1.00	\$8,000.00		\$ 1,333.33	\$ 1,333.33	\$ 1,333.33	\$ 1,333.33	\$ 1,333.33	\$ 666.67	\$ 666.67
1055	FURNISH, INSTALL AND MAINTAIN TRAFFIC CONTROL	25000	USD	\$1.00	\$25,000.00		\$ 4,166.67	\$ 4,166.67	\$ 4,166.67	\$ 4,166.67	\$ 4,166.67	\$ 2,083.33	\$ 2,083.33
ST	GENERAL ITEMS				\$381,029.68	MONTH TOTALS	\$ 63,504.95	\$ 63,504.95	\$ 63,504.95	\$ 63,504.95	\$ 63,504.95	\$ 31,752.47	\$ 31,752.47
1065	BOUNDRY ROPE	20000	LF	\$0.92	\$18,400.00		\$ 3,066.67	\$ 3,066.67	\$ 3,066.67	\$ 3,066.67	\$ 3,066.67	\$ 1,533.33	\$ 1,533.33
1070	CLEARING AND GRUBBING (Thick Vegetation)	14	AC	\$4,694.35	\$65,720.90		\$ 10,953.48	\$ 10,953.48	\$ 10,953.48	\$ 10,953.48	\$ 10,953.48	\$ 5,476.74	\$ 5,476.74
1080	GRADE NATIVE DIRT (ROW/EASEMENT ESTABLISHMENT)	63200	SY	\$0.39	\$24,648.00		\$ 4,108.00	\$ 4,108.00	\$ 4,108.00	\$ 4,108.00	\$ 4,108.00	\$ 2,054.00	\$ 2,054.00
1085	RESTORE PARKWAY GRADING	63200	SY	\$0.33	\$20,856.00		\$ 3,476.00	\$ 3,476.00	\$ 3,476.00	\$ 3,476.00	\$ 3,476.00	\$ 1,738.00	\$ 1,738.00
1090	TEMP ACCESS (10 RESIDENCE'S) MAINTAIN	1	LS	\$11,561.50	\$11,561.50		\$ 1,926.92	\$ 1,926.92	\$ 1,926.92	\$ 1,926.92	\$ 1,926.92	\$ 963.46	\$ 963.46
1092	R&R CHAIN LINK FENCE	1000	LF	\$7.20	\$7,200.00		\$ 1,200.00	\$ 1,200.00	\$ 1,200.00	\$ 1,200.00	\$ 1,200.00	\$ 600.00	\$ 600.00
1094	R&R 4 STRAND BARB WIRE FENCE	850	LF	\$7.71	\$6,553.50		\$ 1,092.25	\$ 1,092.25	\$ 1,092.25	\$ 1,092.25	\$ 1,092.25	\$ 546.13	\$ 546.13
1096	DEMO EXISTING METAL BLDG.	1	LS	\$5,000.00	\$5,000.00		\$ 833.33	\$ 833.33	\$ 833.33	\$ 833.33	\$ 833.33	\$ 416.67	\$ 416.67
1100	REMOVE AND REINSTALL RIP RAP (HAND PLACED)	150	CY	\$256.07	\$38,410.50		\$ 6,401.75	\$ 6,401.75	\$ 6,401.75	\$ 6,401.75	\$ 6,401.75	\$ 3,200.88	\$ 3,200.88
ST	GRADING ITEMS				\$198,350.40	MONTH TOTALS	\$ 33,058.40	\$ 33,058.40	\$ 33,058.40	\$ 33,058.40	\$ 33,058.40	\$ 16,529.20	\$ 16,529.20
1125	REMOVE PAVEMENT (SAW CUT, REMOVE & HAUL 3" AC)	68	SY	\$16.04	\$1,090.72		\$ 181.79	\$ 181.79	\$ 181.79	\$ 181.79	\$ 181.79	\$ 90.89	\$ 90.89
1126	AC ML TRENCH PATCH (3" AC on 6" ABC)	68	SY	\$107.03	\$7,278.04		\$ 1,213.01	\$ 1,213.01	\$ 1,213.01	\$ 1,213.01	\$ 1,213.01	\$ 606.50	\$ 606.50
1127	MILL PVMT. MOD TYP 1 DETAIL 216 (DESERT FALCON)	47	SY	\$108.34	\$5,091.98		\$ 848.66	\$ 848.66	\$ 848.66	\$ 848.66	\$ 848.66	\$ 424.33	\$ 424.33
1130	AC OVERLAY PVMT. MOD TYP 1 DTL 216 (DESERT FALCON)	47	SY	\$76.99	\$3,618.53		\$ 603.09	\$ 603.09	\$ 603.09	\$ 603.09	\$ 603.09	\$ 301.54	\$ 301.54
1140	STRIPING (CMO DE MANANA CROSSING)	1	LS	\$2,076.00	\$2,076.00		\$ 346.00	\$ 346.00	\$ 346.00	\$ 346.00	\$ 346.00	\$ 173.00	\$ 173.00
ST	PAVING ITEMS				\$19,155.27	MONTH TOTALS	\$ 3,192.55	\$ 3,192.55	\$ 3,192.55	\$ 3,192.55	\$ 3,192.55	\$ 1,596.27	\$ 1,596.27
1170	CONCRETE COLLAR RWRD DET 212	21	EA	\$530.00	\$11,130.00		\$ 1,855.00	\$ 1,855.00	\$ 1,855.00	\$ 1,855.00	\$ 1,855.00	\$ 927.50	\$ 927.50
1180	REMOVE CONCRETE CUT-OFF WALLS IN WASH (15 LOCATIONS)	200	LF	\$33.26	\$6,652.00		\$ 1,108.67	\$ 1,108.67	\$ 1,108.67	\$ 1,108.67	\$ 1,108.67	\$ 554.33	\$ 554.33
1185	REPLACE CONCRETE CUT-OFF WALLS IN WASH (15 LOCATIONS)	200	LF	\$534.40	\$106,880.00		\$ 17,813.33	\$ 17,813.33	\$ 17,813.33	\$ 17,813.33	\$ 17,813.33	\$ 8,906.67	\$ 8,906.67
ST	CONCRETE ITEMS				\$124,662.00	MONTH TOTALS	\$ 20,777.00	\$ 20,777.00	\$ 20,777.00	\$ 20,777.00	\$ 20,777.00	\$ 10,388.50	\$ 10,388.50
1200	FURNISH AND INSTALL 15" SDR 35 (0' to 15')	8295	LF	\$110.73	\$918,505.35		\$ 153,084.23	\$ 153,084.23	\$ 153,084.23	\$ 153,084.23	\$ 153,084.23	\$ 76,542.11	\$ 76,542.11
1205	FURNISH AND INSTALL 16" C-900 (0' to 15')	1195	LF	\$140.62	\$168,040.90		\$ 28,006.82	\$ 28,006.82	\$ 28,006.82	\$ 28,006.82	\$ 28,006.82	\$ 14,003.41	\$ 14,003.41
1210	FURNISH AND INSTALL 15" SDR 35 (>15-22')	655	LF	\$165.79	\$108,592.45		\$ 18,098.74	\$ 18,098.74	\$ 18,098.74	\$ 18,098.74	\$ 18,098.74	\$ 9,049.37	\$ 9,049.37
1270	36" JACK & BORE (TWIN PEAKS ROAD)	225	LF	\$847.46	\$190,678.50		\$ 31,779.75	\$ 31,779.75	\$ 31,779.75	\$ 31,779.75	\$ 31,779.75	\$ 15,889.88	\$ 15,889.88
1292	INSTALL 15" INTO EXISTING 36" SLEEVE	130	LF	\$119.88	\$15,584.40		\$ 2,597.40	\$ 2,597.40	\$ 2,597.40	\$ 2,597.40	\$ 2,597.40	\$ 1,298.70	\$ 1,298.70
1293	REMOVE AND REPLACE 5 STRAND BARB WIRE (STATE LAND)	850	LF	\$6.00	\$5,100.00		\$ 850.00	\$ 850.00	\$ 850.00	\$ 850.00	\$ 850.00	\$ 425.00	\$ 425.00
1295	FURNISH AND INSTALL NEW 60" SEWER MH RWRD 206	21	EA	\$20,545.07	\$431,446.47		\$ 71,907.75	\$ 71,907.75	\$ 71,907.75	\$ 71,907.75	\$ 71,907.75	\$ 35,953.87	\$ 35,953.87
1310	DEMO TANGERINE ROAD PUMP STATION	1	LS	\$53,516.89	\$53,516.89		\$ 8,919.48	\$ 8,919.48	\$ 8,919.48	\$ 8,919.48	\$ 8,919.48	\$ 4,459.74	\$ 4,459.74
1312	REMOVE AND REPLACE BLOCK WALL (PUMP STATION)	160	SF	\$45.44	\$7,270.40		\$ 1,211.73	\$ 1,211.73	\$ 1,211.73	\$ 1,211.73	\$ 1,211.73	\$ 605.87	\$ 605.87
1314	REMOVE AND REINSTALL GATE (PUMP STATION)	2	EA	\$1,958.16	\$3,916.32		\$ 652.72	\$ 652.72	\$ 652.72	\$ 652.72	\$ 652.72	\$ 326.36	\$ 326.36
1316	REMOVE AND REINSTALL CHAINLINK FENCE (PUMP STATION)	20	LF	\$85.41	\$1,708.20		\$ 284.70	\$ 284.70	\$ 284.70	\$ 284.70	\$ 284.70	\$ 142.35	\$ 142.35
1317	R&R CONC PAD WEST SIDE OF DRY PIT (PUMP STATION)	600	SF	\$17.35	\$10,410.00		\$ 1,735.00	\$ 1,735.00	\$ 1,735.00	\$ 1,735.00	\$ 1,735.00	\$ 867.50	\$ 867.50
1320	FURNISH, OPERATE AND MAINTAIN FLOW MANAGEMENT	1	LS	\$109,171.54	\$109,171.54		\$ 18,195.26	\$ 18,195.26	\$ 18,195.26	\$ 18,195.26	\$ 18,195.26	\$ 9,097.63	\$ 9,097.63
					\$0.00								
ST	SEWER ITEMS				\$2,023,941.42	MONTH TOTALS	\$ 337,323.57	\$ 337,323.57	\$ 337,323.57	\$ 337,323.57	\$ 337,323.57	\$ 168,661.79	\$ 168,661.79

**EXHIBIT 10.1 -SUBCONTRACTOR SELECTION & SBE REQUIREMENTS, UTILIZATION FORMS, AND
LETTERS OF INTENT
FOR SEGMENT 1**

SEGMENT 1 & 3 CONSTRUCTION GMP 2 PROPOSAL (2-6-19)

**Pima County SFQ 289179 (Twin Peaks-Blue Bonnet) Design-Build (DB)
Pima No. 3TPBBS / Achen-Gardner Construction, LLC Project No. 3645100**

Unless otherwise noted or defined in GMP 2 Exhibits, GMP 2 Proposal is subject to all included and attached recommended Subcontractor and Supplier quotations and associated inclusions, exclusions, clarifications, and qualifications (See attached).

Prof. Engineering Services – Construction Assistance (\$45,147.67)	EEC
Prof. Engineering Services – Construction Survey (\$29,250.61)	EEC
Materials Testing (\$68,560.00)	SAECO
Public Outreach (\$30,000.00)	Kaneen
Cold Patch (1) (\$2,375.00)25tn	Vulcan
Redi Mix) (1) (\$149,010.50)	CEMEX
(Aggregates) (1) (\$74,757.90)	CEMEX
(Jack and Bore) (\$154,425.00)	Road Boring
(Hydroseed) (\$28,440.00)	Desert Seeders
Manhole Materials) (1) (\$82,110.00)	Jensen Precast
Pipe (1)(\$150,229.36)	Ferguson

Notes:

(1) These material supply costs are incorporated into Achen-Gardner approved self-performed item's unit prices included on GMP 2 EXHIBIT 3 & 4 (SEG 3 and 4 SOV); these Owner approved unit prices include Contractor's responsibility for risk related to material supplier over and underruns.

Selected Vendors

EEC	Engineering and Enviromental Consultants
Contact:	Bruce Brown
Phone:	(520) 321-4625
Fax:	(520) 321-4625
Mobile:	(520) 279-1058
Email:	bbrown@eecorp.com
Address:	4625 East fort Lowell Road Tucson, AZ 85712

Vendor Total:

Note:

Items using plug prices have not been included in the Vendor Totals.



Engineering and Environmental Consultants, Inc.

555 E. River Road, Suite 301 | Tucson, Arizona 85704 | P: 520.321.4625

SEGMENT 1

July 9, 2018

ATTN: Mr. Dan Spitz, P.E.

550 South 79th Street

Chandler, AZ 85226

Re: AG Project No. 3645100

Pima County – 3TPBBS Twin Peaks-Blue Bonnet Road Sewer Project

Fee Proposal for Construction Assistance – Engineering Services during Construction

Dear Mr. Spitz:

Engineering and Environmental Consultants, Inc. (EEC) is pleased to submit this proposal to provide professional engineering services for the Construction phase of the Twin Peaks-Blue Bonnet Road Sewer (3TPBBS) Project. This proposal is for construction assistance during the construction phase for Segment 1, Segment 2 and Segment 3.

The following is our proposed Scope of Work for Construction Assistance and attached **Exhibits A-1** is the estimated engineering fee associated with the outlined scope. This fee estimate assumes construction for the each segment will have the following construction schedule:

Segment 1: 5 months

Segment 2: 4 months

Segment 3: 4 months

Proposed Scope of Work for Segment 1, Segment 2 and Segment 3 includes the following tasks

TASK 1, Task 2 and Task 3:

This task includes engineering assistance during construction of each segment:


- **Bi-weekly project status meetings:** During the construction phase, we anticipate bi-weekly project coordination meetings with the County and encompass efforts to attend meetings as needed and provide any exhibits as needed.
- **Project team meetings/coordination/scheduling:** This task includes EEC/Achen-Gardner design team meetings and EEC to coordinate and track project progress and tasks
- **Stakeholder/Specialty Meetings and Coordination:** This includes preparation for and attendance of up to two stakeholder meetings along with specialty meetings involving specific design/construction related issues.

Mr. Dan Spitz, P.E.
Achen-Gardner
July 9, 2018
Page 2 of 2

- **Contract Administration:** Coordination with Achen-Gardner and County Project Manager on contract administration needs and includes preparation of invoices and oversight of project design team and sub-consultants.
- **Contractor Requests for Information (RFI's):** EEC will review all RFI's submitted by contractor and will provide recommendations in an RFI response form.
- **Submittal Reviews:** EEC will review all shop drawings and submittal for review documents and provide comment or approval.
- **Construction Inspections:** EEC anticipates providing bi-weekly construction inspections or special inspections as needed to satisfy final permit requirements
- **Review of test results and as-built information:** EEC will review test results for conformance to permit requirements and prepare as-built documents for final submittal package.
- **Permit Submittal Assistance:** EEC will assist in preparing all documents required for submittal to ADEQ for a Discharge Authorization permit.
- **Tierra:** A lump sum fee for assistance during construction for our Tierra Right-of-Way has been estimated and is dependent on the results of the environmental surveys during design.
- **Reimbursable:** A minimal reimbursable fee has been included for reproduction costs of documents.

Thank you for the opportunity to provide this proposal. Should you have any questions, please do not hesitate to contact me directly at (602) 248-7702 EXT 7322.

Sincerely,



Carrie Cote, PE
Project Manager

Enclosures

Exhibit A-1: Fee Estimate (Construction Services - Designer)
Pinna County Project 3TPBB - Twin Peaks-Blue Bonnet Road Gravity Sewer Project

	Task Description	Estimated Costs	Estimated Total Hours	PM	A/E	Designer	CADD/Inspector	Expenses/subs
				\$ 175.79	\$ 160.71	\$ 112.19	\$ 98.67	
TASK	1.0 Construction Assistance - Segment 1							
1.1	By-weekly project status meetings (5 months)	\$ 3,214.20	20	\$ -	20 \$ 3,214.20	\$ -	\$ -	
1.2	Project team meetings/coordination/scheduling	\$ 4,488.90	30	10 \$ 1,757.90	10 \$ 1,607.10	10 \$ 1,121.90	\$ -	
1.3	Stakeholder/Specialty meetings and coordination	\$ 2,401.02	18	6 \$ 1,054.74	\$ -	12 \$ 1,346.28	\$ -	
1.4	Contract Administration	\$ 878.95	5	5 \$ 878.95	\$ -	\$ -	\$ -	
1.5	Contractor RFI's	\$ 7,550.30	60	\$ -	40 \$ 6,428.40	10 \$ 1,121.90	\$ -	
1.6	Submittal Reviews	\$ 3,214.20	20	\$ -	20 \$ 3,214.20	\$ -	\$ -	
1.7	Construction Inspections (bi-weekly)	\$ 8,134.40	80	\$ -	20 \$ 3,214.20	\$ -	60 \$ 5,920.20	
1.8	Review of test results and as-built information	\$ 1,637.26	10	2 \$ 351.58	8 \$ 1,285.68	\$ -	\$ -	
1.9	Permit submittal assistance	\$ 5,130.44	44	\$ -	4 \$ 642.84	40 \$ 4,487.60	\$ -	
1.10	Terra - Lump Sum	\$ 7,500.00	-	\$ -	\$ -	\$ -	\$ -	
	Sub-Total Task 1	\$ 45,147.67	277					
	2.0 Construction Assistance - Segment 2							
2.1	By-weekly project status meetings (4 months)	\$ 2,571.36	16	\$ -	16 \$ 2,571.36	\$ -	\$ -	
2.2	Project team meetings/coordination/scheduling	\$ 3,589.52	24	8 \$ 1,406.32	8 \$ 1,285.68	8 \$ 897.52	\$ -	
2.3	Stakeholder/Specialty meetings and coordination	\$ 1,800.68	12	4 \$ 703.16	\$ -	8 \$ 897.52	\$ -	
2.4	Contract Administration	\$ 703.16	4	4 \$ 703.16	\$ -	\$ -	\$ -	
2.5	Contractor RFI's	\$ 6,040.24	40	\$ -	32 \$ 5,142.72	8 \$ 897.52	\$ -	
2.6	Submittal Reviews	\$ 1,928.52	12	\$ -	12 \$ 1,928.52	\$ -	\$ -	
2.7	Construction Inspections (bi-weekly)	\$ 7,307.52	64	\$ -	16 \$ 2,571.36	\$ -	48 \$ 4,736.16	
2.8	Review of test results and as-built information	\$ 1,637.26	10	2 \$ 351.58	8 \$ 1,285.68	\$ -	\$ -	
2.9	Permit submittal assistance	\$ 5,130.44	44	\$ -	4 \$ 642.84	40 \$ 4,487.60	\$ -	
2.10	Terra - Lump Sum	\$ 7,500.00	-	\$ -	\$ -	\$ -	\$ -	
	Sub-Total Task 2	\$ 38,008.70	226					
	3.0 Construction Assistance - Segment 3							
3.1	By-weekly project status meetings (4 months)	\$ 2,571.36	16	\$ -	16 \$ 2,571.36	\$ -	\$ -	
3.2	Project team meetings/coordination/scheduling	\$ 3,589.52	24	8 \$ 1,406.32	8 \$ 1,285.68	8 \$ 897.52	\$ -	
3.3	Stakeholder/Specialty meetings and coordination	\$ 1,800.68	12	4 \$ 703.16	\$ -	8 \$ 897.52	\$ -	
3.4	Contract Administration	\$ 703.16	4	4 \$ 703.16	\$ -	\$ -	\$ -	
3.5	Contractor RFI's	\$ 6,040.24	40	\$ -	32 \$ 5,142.72	8 \$ 897.52	\$ -	
3.6	Submittal Reviews	\$ 1,928.52	12	\$ -	12 \$ 1,928.52	\$ -	\$ -	
3.7	Construction Inspections (bi-weekly)	\$ 7,307.52	64	\$ -	16 \$ 2,571.36	\$ -	48 \$ 4,736.16	
3.8	Review of test results and as-built information	\$ 1,637.26	10	2 \$ 351.58	8 \$ 1,285.68	\$ -	\$ -	
3.9	Permit submittal assistance	\$ 5,130.44	44	\$ -	4 \$ 642.84	40 \$ 4,487.60	\$ -	
3.10	Terra - Lump Sum	\$ 7,500.00	-	\$ -	\$ -	\$ -	\$ -	
	Sub-Total Task 3	\$ 38,058.70	226					
	Reimbursable (printing & expenses)	\$ 500.00	-					
	Allowances and Reimbursable Sub-Total	\$ 500.00	-					
		\$ -	-					
		\$ -	-					
		\$ -	-					
	Total Fee	\$ 121,665.07	729	59 \$ 10,371.61	314 \$ 50,492.94	200 \$ 22,438.00	156 \$ 15,392.52	0 \$

Selected Vendors

EEC	Engineering and Enviromental Consultants
Contact:	Bruce Brown
Phone:	(520) 321-4625
Fax:	(520) 321-4625
Mobile:	(520) 279-1058
Email:	bbrown@eecorp.com
Address:	4625 East fort Lowell Road Tucson, AZ 85712

Vendor Total:

Note:

Items using plug prices have not been included in the Vendor Totals.