



**PURCHASING ITEM  
FOR  
COUNCIL AGENDA  
Memo No. CA11-086**

**1. Agenda Item Number:**

**24**

**2. Council Meeting Date:**  
February 24, 2011

**TO: MAYOR & COUNCIL**

**3. Date Prepared:** February 10, 2011

**THROUGH: CITY MANAGER**

**4. Requesting Department:** Transportation & Development

**5. SUBJECT:** Report Change Order No. 5 and approve Change Order No. 6 in the amount of \$891,447.01 to the construction contract with Standard Construction Company, Inc. for the Chandler Boulevard/Dobson Road Intersection Improvements, Project No. ST0503-401, for a revised contract price of \$5,332,616.08

**6. RECOMMENDATION:** Staff recommends that Council accept Change Order No. 5 and approve Change Order No. 6 in the amount of \$891,447.01 to the construction contract with Standard Construction Company, Inc. for the Chandler Boulevard/Dobson Road Intersection Improvements, Project No. ST0503-401, for a revised contract price of \$5,332,616.08

**7. BACKGROUND/DISCUSSION:** On March 25, 2010 Council approved a construction contract with Standard Construction Company, Inc. to construct three auxiliary through lanes in each direction, right turn lanes in each direction, bus bays in each direction, queue jumper lanes for bus rapid transit on Chandler Boulevard, dual left turn lanes in each direction, bike lanes in each direction, curb and gutter, sidewalks, water line, storm water drainage/retention, traffic signals, street lights, landscape and irrigation, sewer manhole rehabilitation and utility relocations. This project also included the addition of two auxiliary lanes on Dobson Road, median modifications, street light improvements, and a mill and overlay on Dobson Road from Chandler Boulevard to Frye Road. At the October 28, 2010 Council meeting, Council accepted staff approved Change Orders No's. 1 through 3 and authorized Change Order No. 4 for the construction of the Chandler Boulevard/Dobson Road Intersection Improvements. The original contract total of \$4,369,967.15 after the October Council approvals resulted in a revised contract total of \$4,486,343.02

Staff approved Change Order No. 5 to compensate the contractor for water line realignment, relocation of fiber pull box, installation of additional SRP vaults, and value engineering/preparation. Through value engineering, Change Order No. 5 resulted in a project savings of \$45,173.95.

Change Order No. 6 is for the removal and addition of line item quantities needed to complete the design and minimize traffic restrictions, additional work caused by conflicts with SRP facilities and splice pits, additional costs to realign the storm drain to avoid SRP conflicts, additional subgrade and paving repair caused primarily by soil pumping conditions, adding additional ADA compliant facilities, driveways, and drywells to the Northwest corner not previously in the design intent, abandoning and removing a previously unidentified private irrigation pipe in the Right of Way. The change order also adds additional anticipated field quantities and pays for project general conditions and extended overhead for the time needed to complete the work. These additional improvements are valued at \$730,406.25. The change order also covers additional asbestos concrete pipe waterline removal and replacements and additional manhole rehabilitation to include structure inverts and bases, which are valued at \$161,040.76. The total value of Change Order No. 6 is \$891,447.01.

The change order also adds 60 days to the contract for a current completion date of April 15, 2011. The original contract with all change orders is now valued at \$5,332,616.08 and original Engineer's Estimate for the project was \$8,680,308.

**8. EVALUATION:** City staff verified the costs submitted by Standard Construction Company, Inc. and found them consistent with recent similar project work. In every instance possible, Standard Construction Company, Inc. extended the existing bid line items from the original hard bid price to accommodate the current changes.

**9. FINANCIAL IMPLICATIONS:**

Original Construction Cost:	\$ 4,369,967.15	<u>% of Original Contract</u>
Change Order No. 1	12,872.00	0.3%
Change Order No. 2	2,745.58	0.06%
Change Order No. 3	8,295.00	0.2%
Change Order No. 4	92,463.29	2.1%
Change Order No. 5	(45,173.95)	(1.0%)
Change Order No. 6	<u>891,447.01</u>	20.4%

Revised Cost \$ 5,332,616.08

Savings: N/A

Long Term Costs: N/A

Fund Source:

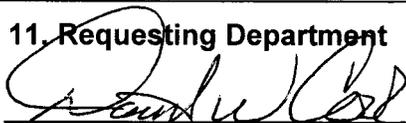
<u>Acct. No.:</u>	<u>Fund Name:</u>	<u>Program Name:</u>	<u>CIP Funded:</u>	<u>Amount:</u>
411.3310.0000.6517.9ST314	G.O. Bond Fund	Dobson/Chandler Intersection Improvements	08/09	\$730,406.25
601.3820.0000.6714.9WA110	Water Bond	Water System Upgrades With Street Projects	08/09	\$123,030.76
615.3910.0000.5219.8WW266	Wastewater Operating	Sewer Assessment & Rehabilitation	07/08	\$ 38,010.00

**10. PROPOSED MOTION:** Move that Council accept Change Order No. 5 and approve Change Order No. 6 in the amount of \$891,447.01 to the construction contract with Standard Construction Company, Inc. for the Chandler Boulevard/Dobson Road Intersection Improvements, Project No. ST0503-401, for a revised contract price of \$5,332,616.08.

**ATTACHMENTS:** Location Map, Change Order No. 6, Staff Approved Change Order No. 5

**APPROVALS**

**11. Requesting Department**



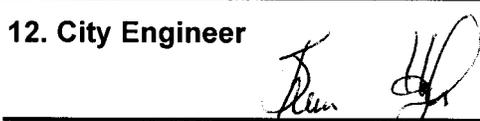
Daniel W. Cook, Transportation Manager

**13. Department Head**



R.J. Zeder, Transportation & Development Director

**12. City Engineer**



Sheina Hughes, City Engineer

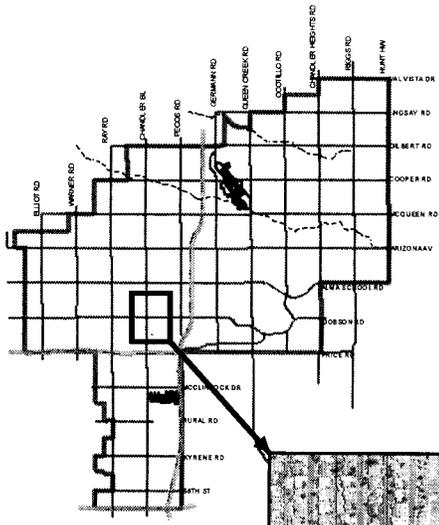
**14. Acting City Manager**



Rich Dlugas



# CHANDLER & DOBSON INTERSECTION IMPROVEMENT PROJECT NO. ST0503-401



MEMO NO. CA11-086



**CITY OF CHANDLER CHANGE ORDER**  
**CHANGE ORDER NUMBER** 5  
**DATE** 12/6/10

**This Change Order is not valid until signed by both the City and the Contractor. Signature of the Contractor indicates agreement herewith, including any adjustments in the Contract Price or Contract Time.**

PROJECT NAME	Chandler/Dobson Intersection Improvements	CONTRACTOR	Standard Construction Company, Inc.
PROJECT NO.	ST0503-401	COST ACCT #	411.3310.0000.6517.9ST314
USER DEPT	Transportation & Development	NTP DATE	5/10/2010

**TO: Standard Construction Company, Inc.**

(CONTRACTOR)

**YOU ARE DIRECTED TO MAKE THE FOLLOWING CHANGES TO THIS CONTRACT:**

(Describe changes in detail and/or reference attached cost breakdown sheet.)

Storm Drain, median, and paving value engineering savings (Contractor's portion), curb redesign costs, value engineering preparation costs, waterline changes, additional SRP vault installation, fiber optic pull box relocations and reduce bid quantities to reflect value engineering savings.

Exhibit B, Required Compliance With Arizona Procurement Law, attached hereto and incorporated by reference.

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

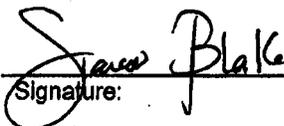
ORIGINAL CONTRACT AMOUNT:	<u>\$4,369,967.15</u>
CURRENT CONTRACT PRICE PRIOR TO CHANGE ORDER (Including previous change orders)	<u>4,486,343.02</u>
NET CHANGE RESULTING FROM THIS CHANGE ORDER:	<u>(\$45,173.95)</u>
REVISED CONTRACT PRICE INCLUDING THIS CHANGE ORDER:	<u>\$4,441,169.07</u>
CHANGE ORDER IS % OF ORIGINAL CONTRACT AMOUNT:	<u>(1.0 %)</u>

CONTRACT TIME OR COMPLETION DATE PRIOR TO THIS CHANGE ORDER (Including previous change orders):	<u>270</u>	<u>2/4/11</u>
	DAYS	DATE

NET CHANGE RESULTING FROM THIS CHANGE ORDER:	<u>          </u>
	DAYS

REVISED CONTRACT TIME AND COMPLETION DATE:	<u>          </u>	<u>          </u>
	DAYS	DATE

**THE ABOVE IS AGREED TO BY:**

Standard Construction Company, Inc.		<u>12-20-2010</u>
CONTRACTOR	Signature:	Date:

**CITY OF CHANDLER (Date & Name of Owner Dept. Verbal approval):** Paul Young, 12/6/10

For Change Orders of less than \$50,000 and 10% of contract price:

Title:	Signature:	Date:
Director or Designee		

**Or (but not both)**

For Change Orders of \$50,000 or more, or 10% or more of contract price:

MAYOR	Date:
Approved by Council on:	
Date	Attest: City Clerk
	Date

Approved at to Form:  
 City Attorney by: 

EXHIBIT A

ITEM DESCRIPTION					AMOUNT	
City Value Engineering Savings					(\$157,898.70)	
VALUE ENGINEERING EXPEDITURES						
Contractor Portion of Savings					\$78,949.35	
Value Engineering Preparation (Survey)					\$12,055.93	
Waterline Changes (re-alignment)					\$16,621.52	
Install Additional SRP Vaults					\$2,848.90	
Relocate Fiber Pull Box					\$2,247.39	
NET CHANGE ORDER COST BELOW VALUE ENGINEERING SAVINGS					(\$45,173.95)	
<b>BREAKDOWN</b>						
Item#	Description	Unit Price	Contract Quantity	UM	Original Contract Value	Revised Contract Value
2020029	REMV AC PAVEMENT	7.00	13,685.00	SY	95,795	
2020029	REMV AC PAVEMENT - REVISED	7.00	12,130.11	SY		\$ 84,910.77
2020082	MILL PAVEMENT- 2"	2.00	36,261.00	SY	72,522	
2020082	MILL PAVEMENT- 2"	2.00	38,161.67	SY		\$ 76,323.34
2050001	GRADE RDWAY	3.00	23,730.00	SY	71,190	
2050001	GRADE RDWAY	3.00	16,779.332	SY		\$ 50,338.00
3030002	AGG BASE, CLASS 2	23.00	11,628.00	TN	267,444	
3030002	AGG BASE, CLASS 2	23.00	8,126.91	TN		\$186,918.93
4060017	AC- EVAC a-19	55.00	6,610.00	TN	363,550	
4060017	AC- EVAC a-19	55.00	7,312.99	TN		\$402,214.45
5011004	CONCR PIPE- IV, 12"	46.00	70.00	LF	3,220	
5011004	CONCR PIPE- IV, 12"	46.00	53.9200	LF		\$ 2,480.32
5011013	CONCR PIPE- III, 18"	52.00	95.00	LF	4,940	
5011013	CONCR PIPE- III, 18"	52.00	88.4792	LF		\$ 4,600.92
5011014	CONCR PIPE IV, 18"	57.00	110.00	LF	6,270	
5011014	CONCR PIPE IV, 18"	57.00	103.1119	LF		\$ 5,877.38
5011023	CONCR PIPE- III, 24"	77.00	9.00	LF	693	
5011023	CONCR PIPE- III, 24"	77.00	8.6410	LF		\$ 665.36
5011033	CONCR PIPE- III, 30"	81.00	125.00	LF	10,125	
5011033	CONCR PIPE- III, 30"	81.00	118.0509	LF		\$ 9,562.12
5011043	CONCR PIPE- III, 36"	105.00	26.00	LF	2,730	
5011043	CONCR PIPE- III, 36"	105.00	25.3250	LF		\$ 2,659.13
5011044	CONCR PIPE- IV, 36"	120.00	210.00	LF	25,200	
5011044	CONCR PIPE- IV, 36"	120.00	198.5127	LF		\$ 23,821.52
5011053	CONCR PIPE- III, 48"	160.00	383.00	LF	61,280	
5011053	CONCR PIPE- III, 48"	160.00	370.4674	LF		\$ 59,274.78
5011054	CONCR PIPE- IV, 48"	200.00	45.00	LF	9,000.00	
5011054	CONCR PIPE- IV, 48"	200.00	42.6705	LF		\$ 8,534.10
5011060	CONCR PIPE, V, 54"	205.00	629.00	LF	128,945	
5011060	CONCR PIPE, V, 54"	205.00	593.0084	LF		\$121,566.72
7010001	FORCE ACCT- TRAFFIC	1.00	400,000.00	LS	400,000	
7010001	FORCE ACCT- TRAFFIC	1.00	340,932.48	LS		\$340,932.48
7010006	TEMP TRAF CONTROL	1.00	171,000.00	LS	171,000	
7010006	TEMP TRAF CONTROL	1.00	155,325.00	LS		\$155,325.00
1	Waterline Changes	1.00	\$ 16,621.52	LS		\$ 16,621.52
2	Fiber Optic Pull Box Relocation	1.00	\$ 2,247.39	LS		\$ 2,247.39
3	SRP Vaults	1.00	\$ 2,848.90	LS		\$ 2,848.90
4	Value Engineering Prep Costs	1.00	\$ 12,055.93	LS		\$ 12,055.93
5	VALUE ENGINEERING - Contractor	1.00	\$ 78,951.01	LS		\$ 78,951.01

EXHIBIT B  
REQUIRED COMPLIANCE WITH ARIZONA PROCUREMENT LAW

Compliance with A.R.S. § 41-4401. Pursuant to the provisions of A.R.S. § 41-4401, the Contractor hereby warrants to the City that the Contractor and each of its subcontractors ("Subcontractors") will comply with all Federal Immigration laws and regulations that relate to the immigration status of their employees and the requirement to use E-Verify set forth in A.R.S. §23-214(A) (hereinafter "Contractor Immigration Warranty").

A breach of the Contractor Immigration Warranty shall constitute a material breach of this Contract that is subject to penalties up to and including termination of the contract.

The City retains the legal right to inspect the papers of any Contractor or Subcontractor employee who works on this Contract to ensure that the Contractor or Subcontractor is complying with the Contractor Immigration Warranty. The Contractor agrees to assist the City in the conduct of any such inspections.

The City may, at its sole discretion, conduct random verifications of the employment records of the Contractor and any Subcontractors to ensure compliance with Contractors Immigration Warranty. The Contractor agrees to assist the City in performing any such random verifications.

The provisions of this Article must be included in any contract the Contractor enters into with any and all of its subcontractors who provide services under this Contract or any subcontract. "Services" are defined as furnishing labor, time or effort in the State of Arizona by a contractor or subcontractor. Services include construction or maintenance of any structure, building or transportation facility or improvement to real property.

In accordance with A.R.S. §35-393.06, the Contractor hereby certifies that the offeror does not have scrutinized business operations in Iran.

In accordance with A.R.S. §35-391.06, the Contractor hereby certifies that the offeror does not have scrutinized business operations in Sudan."

EXHIBIT C (continued)  
Contractor Immigration Warranty  
To Be Completed by Contractor Prior to Execution of Contract

A.R.S. § 41-4401 requires as a condition of your contract verification of compliance by the contractor and subcontractors with the Federal Immigration and Nationality Act (FINA), all other Federal immigration laws and regulations, and A.R.S. § 23-214 related to the immigration status of its employees.

By completing and signing this form the contractor shall attest that it and all subcontractors performing work under the cited contract meet all conditions contained herein.

Project Number/Division:	ST0503-401		
Name (as listed in the contract):			
Street Name and Number:			
City:	State:	Zip Code:	

I hereby attest that:

The contractor complies with the Federal Immigration and Nationality Act (FINA), all other Federal Immigration laws and regulations, and A.R.S. § 23-214 related to the immigration status of those employees performing work under this contract;

All subcontractors performing work under this contract comply with the Federal Immigration and Nationality Act (FINA), all other Federal immigration laws and regulations, and A.R.S. § 23-214 related to the immigration status of their employees; and

The contractor has identified all contractor and subcontractor employees who perform work under the contract and has verified compliance with Federal Immigration and Nationality Act (FINA), all other Federal immigration laws and regulations, and A.R.S. § 23-214.

Signature of Contractor (Employer) or Authorized Designee:

Stevan Blake

Printed Name: Stevan Blake

Title: Project Manager

Date (month/day/year): 12-20-2010



EXHIBIT A

Field Verified Quantities in Excess of Contract Amounts	\$65,060.24
Additional Work Associated with SRP conflict and Splice Pits	\$35,821.25
Storm Drain Realignment to Facilitate SRP Construction	\$23,686.27
Repair to SRP 30" RGRCP Pipe	\$29,215.64
Additional Retention Basin, Paving and Subgrade Repairs	\$115,703.89
Additional Driveways/ ADA Compliant Ramps/Drywells	\$138,071.32
Historical Private Irrigation Pipe in ROW	\$41,980.13
Additional Waterline Remove and Replacements (ACP Water Line)	\$123,030.76
Additional Manhole Rehab Bases	\$38,010.00
Potential Field Final Quantities	\$180,860.42
Contract Completion Date Extension	\$100,007.10
<b>TOTAL</b>	<b>\$891,447.01</b>

**EXHIBIT B**

**REQUIRED COMPLIANCE WITH ARIZONA PROCUREMENT LAW**

Compliance with A.R.S. § 41-4401. Pursuant to the provisions of A.R.S. § 41-4401, the Contractor hereby warrants to the City that the Contractor and each of its subcontractors ("Subcontractors") will comply with all Federal Immigration laws and regulations that relate to the immigration status of their employees and the requirement to use E-Verify set forth in A.R.S. §23-214(A) (hereinafter "Contractor Immigration Warranty").

A breach of the Contractor Immigration Warranty shall constitute a material breach of this Contract that is subject to penalties up to and including termination of the contract.

The City retains the legal right to inspect the papers of any Contractor or Subcontractor employee who works on this Contract to ensure that the Contractor or Subcontractor is complying with the Contractor Immigration Warranty. The Contractor agrees to assist the City in the conduct of any such inspections.

The City may, at its sole discretion, conduct random verifications of the employment records of the Contractor and any Subcontractors to ensure compliance with Contractors Immigration Warranty. The Contractor agrees to assist the City in performing any such random verifications.

The provisions of this Article must be included in any contract the Contractor enters into with any and all of its subcontractors who provide services under this Contract or any subcontract. "Services" are defined as furnishing labor, time or effort in the State of Arizona by a contractor or subcontractor. Services include construction or maintenance of any structure, building or transportation facility or improvement to real property.

In accordance with A.R.S. §35-393.06, the Contractor hereby certifies that the offeror does not have scrutinized business operations in Iran.

In accordance with A.R.S. §35-391.06, the Contractor hereby certifies that the offeror does not have scrutinized business operations in Sudan."

**Contractor Immigration Warranty  
To Be Completed by Contractor Prior to Execution of Contract**

A.R.S. § 41-4401 requires as a condition of your contract verification of compliance by the contractor and subcontractors with the Federal Immigration and Nationality Act (FINA), all other Federal immigration laws and regulations, and A.R.S. § 23-214 related to the immigration status of its employees.

By completing and signing this form the contractor shall attest that it and all subcontractors performing work under the cited contract meet all conditions contained herein.

Project Number/Division:	ST0503-401
Name (as listed in the contract):	Standard Construction Company, Inc.
Street Name and Number:	810 E. Western Ave.
City: Avondale	State: AZ Zip Code: 85323

I hereby attest that:

The contractor complies with the Federal Immigration and Nationality Act (FINA), all other Federal Immigration laws and regulations, and A.R.S. § 23-214 related to the immigration status of those employees performing work under this contract;

All subcontractors performing work under this contract comply with the Federal Immigration and Nationality Act (FINA), all other Federal Immigration laws and regulations, and A.R.S. § 23-214 related to the immigration status of their employees; and

The contractor has identified all contractor and subcontractor employees who perform work under the contract and has verified compliance with Federal Immigration and Nationality Act (FINA), all other Federal Immigration laws and regulations, and A.R.S. § 23-214.

Signature of Contractor (Employer) or Authorized Designee:

Steven Blake

Printed Name: Steven Blake

Title: Project Manager

Date (month/day/year): Feb. 9, 2011

## Change Order 6

### Field Verified Quantities in Excess of Contract Amounts

3	2020025	Removal of Concrete Sidewalks, Driveways, and Slabs	2020025	8587.6 SF	\$1.00	8587.6
6	2020048	Removal of Structure (Catch Basin)	2020048	3 EA	\$350.00	\$1,050.00
8	2020053	Remove (Scupper and Spillway)	2020053	4 EA	\$350.00	\$1,400.00
8	2020053	Remove (Scupper and Spillway)	2020053	1 EA	\$350.00	\$350.00
21	4140040	Asphaltic Concrete Friction Course (Asphalt-Rubber) Drop Inlet (ADOT Det. C-15.75 w/ Special Detail Trash	4140040	53 TN	\$89.00	\$4,717.00
33	5030183	Rack)	5030183	1 EA	\$4,800.00	\$4,800.00
79	7320291	Electrical Conduit (1") (PVC) (Streetlight)	7320291	59.5 LF	\$16.00	\$952.00
107	7370421	Miscellaneous Electrical (Relocate Internally Illuminated Street Sign)	7370421	1 EA	\$3,000.00	\$3,000.00
117	8061009	Tree (24" Box)	8061009	4 EA	\$170.00	\$680.00
128	8080619	Provide Water Service (1 1/2")	8080619	2 EA	\$2,100.00	\$4,200.00
129	8080620	Provide Water Service (2")	8080620	3 EA	\$2,800.00	\$8,400.00
130	8080638	Relocate Water Meter	8080638	1 EA	\$900.00	\$900.00
133	8080656	Relocate Fire Hydrant (MAG Det. 360)	8080656	1 EA	\$3,300.00	\$3,300.00
137	8082108	Pipe, Ductile Iron, 8"	8082108	40.25 LF	\$115.00	\$4,628.75
138	8082112	Pipe, Ductile Iron, 12"	8082112	80 LF	\$70.00	\$5,600.00
140	8101017	Erosion Control (Curb Inlet Protection)	8101017	3 EA	\$91.00	\$273.00
141	8101035	Erosion Control (Sediment Logs) (20")	8101035	25 LF	\$5.00	\$125.00
152	9080303	Concrete Driveway (ADOT Det. C-05.20)	9080303	89 SF	\$7.00	\$623.00
153	9080305	Concrete Driveway (Det. BB)	9080305	569.77 SF	\$7.00	\$3,988.39
169	7320060	Conduit (2.5") (PVC)	7320060 7320060	148 LF	\$3.00	\$444.00
171	7320090	Conduit (4") (PVC)	7320090 7320090A	7 LF	\$6.50	\$45.50
174	7320090	Conduit (4") (PVC)	7320090 7320090B	583 LF	\$12.00	\$6,996.00

**Sub Total      \$65,060.24**

### Additional Work Associated with SRP conflict and Splice Pits

12	2050001	Grading Roadway for Pavement	2050001	405 SY	\$3.00	\$1,215.00
13	3030002	Aggregate Base, Class 2	3030002	266.25 TN	\$23.00	\$6,123.75
19	4060017	Asphaltic Concrete (East Valley Asphalt Committee-A-19)	4060017	179.86 TN	\$55.00	\$9,892.30
12	2050001	Grading Roadway for Pavement	2050001	94.54 SY	\$3.00	\$283.62
13	3030002	Aggregate Base, Class 2	3030002	225 TN	\$23.00	\$5,175.00
4	2020029	Removal of Asphaltic Concrete Pavement	2020029	225 SY	\$7.00	\$1,575.00
19	4060017	Asphaltic Concrete (East Valley Asphalt Committee-A-19)	4060017	108 TN	\$55.00	\$5,940.00
179	7320050	Conduit (2") (PVC)	7320050 7320050D	1,336.74 LF	\$2.30	\$3,074.50
179	7320050			1 LS	\$2,542.08	\$2,542.08

**Sub Total      \$35,821.25**

### Storm Drain Realignment to Facilitate SRP Construction

4	2020029	Removal of Asphaltic Concrete Pavement	2020029	434.08 SY	\$7.00	\$3,038.56
12	2050001	Grading Roadway for Pavement	2050001	434.08 SY	\$3.00	\$1,302.24
13	3030002	Aggregate Base, Class 2	3030002	159.50 TN	\$23.00	\$3,668.50
19	4060017	Asphaltic Concrete (East Valley Asphalt Committee-A-19)	4060017	156.60 TN	\$55.00	\$8,613.00
	5012560	N-12 Storm Drain, 60"	5012560	11 LF	\$193.2698	\$2,125.97
127	8080224	Gate Valve (12")	8080224	1 EA	\$3,300.00	\$3,300.00
148	9080241	Concrete Sidewalk (MAG Det 230)	9080241	468 SF	\$3.50	\$1,638.00

**Sub Total      \$23,686.27**

### Repair to SRP 30" RGRCP Pipe

	Removal of Asphaltic Concrete Pavement		1.00 LS	\$29,215.64	\$29,215.64
				<b>Sub Total</b>	<b>\$29,215.64</b>

### Additional Retention Basin, Paving and Subgrade Repairs

12	2050001 Grading Roadway for Pavement	2050001	105 SY	\$3.00	\$315.00
13	3030002 Aggregate Base, Class 2	3030002	132 TN	\$23.00	\$3,036.00
4	2020029 Removal of Asphaltic Concrete Pavement	2020029	1,205.56 SY	\$7.00	\$8,438.92
13	3030002 Aggregate Base, Class 2	3030002	430.38 TN	\$23.00	\$9,898.74
				<b>Sub Total</b>	<b>\$115,703.89</b>

### Additional Driveways/ ADA Compliant Ramps/Drywells

2	2020021 Removal of Concrete Curb and Gutter	2020021	320 LF	\$5.00	\$1,600.00
3	2020025 Removal of Concrete Sidewalks, Driveways, and Slabs	2020025	3,115 SF	\$1.00	\$3,115.00
4	2020029 Removal of Asphaltic Concrete Pavement	2020029	325 SY	\$7.00	\$2,275.00
12	2050001 Grading Roadway for Pavement	2050001	325 SY	\$3.00	\$975.00
13	3030002 Aggregate Base, Class 2	3030002	195 TN	\$23.00	\$4,485.00
19	4060017 Asphaltic Concrete (East Valley Asphalt Committee-A-19)	4060017	65 TN	\$55.00	\$3,575.00
48	7010001 Force Account - Maintenance & Protection of Traffic	7010001	1 LS		\$0.00
49	7010006 Furnish and Install Temporary Traffic Control Devices	7010006	1 LS		\$0.00
145	9080101 Concrete Curb and Gutter, Type A (MAG Det. 220)	9080101	320 LF	\$9.00	\$2,880.00
148	9080241 Concrete Sidewalk (MAG Det 230)	9080241	2,970 SF	\$3.50	\$10,395.00
153	9080305 Concrete Driveway (Det. BB)	9080305	3,665 SF	\$7.00	\$25,655.00
165	9240170 Contractor Quality Control	9240170	1 LS		\$0.00
166	9250001 Construction Surveying and Layout	9250001	1 LS		\$0.00
37	5041901 Drainage Structure (Detail D5)	5041901	2 EA	\$20,000.00	\$40,000.00
	Increase Drywell Depth		1 LS	\$2,504.92	\$2,504.92
	Bore Conduit		1 LS	\$29,053.20	\$29,053.20
				<b>Sub Total</b>	<b>\$138,071.32</b>

### Historical Private Irrigation Pipe in ROW

14	4010008 Portland Cement Concrete Pavement (8")	4010008	408.764 SY	\$55.00	\$22,482.02
3	2020025 Removal of Concrete Sidewalks, Driveways, and Slabs	2020025	2505 LF	\$1.00	\$2,505.00
	Plug 24" Concrete Pipe - 2 locations		1 LS	\$6,981.34	\$6,981.34
	Window 24" Private Irrigation Pipe		1 LS	\$10,011.77	\$10,011.77
				<b>Sub Total</b>	<b>\$41,980.13</b>

### Additional Waterline Remove and Replacements (ACP Water line (12" & up))

4	2020029 Removal of Asphaltic Concrete Pavement	2020029	414 SY	\$7.00	\$2,898.00
138	8082112 Pipe, Ductile Iron, 12"	8082112	122 LF	\$70.00	\$8,540.00
137	8082108 Pipe, Ductile Iron, 8"	8082108	271 LF	\$115.00	\$31,165.00
	Abandon 12" Waterline/ remove valves		1 LS	\$29,292.44	\$29,292.44
	Abandon 12" Lateral on 24" transmission main		1 LS	\$6,522.61	\$6,522.61
5	2020042 Removal of Pipe (12" or less)	2020042	373 LF	\$13.25	\$4,942.25
138	8082112 Pipe, Ductile Iron, 12"	8082112	187 LF	\$70.00	\$13,090.00
	Vertical Realignment, 12" tapping Sleeves		1 LS	\$26,580.46	\$26,580.46
				<b>Sub Total</b>	<b>\$123,030.76</b>

**Additional Manhole Rehab Bases**

Base Rehab	1 LS	\$38,010.00	\$38,010.00
		<b>Sub Total</b>	<b>\$38,010.00</b>

**Potential Field Final Quantities**

2	2020021 Removal of Concrete Curb and Gutter	2020021	358 LF	\$5.00	\$1,790.00
3	2020025 Removal of Concrete Sidewalks, Driveways, and Slabs	2020025	4,281 SF	\$1.00	\$4,281.00
	2020082 Remove Bituminous Pavement (Milling) (2")	2020082	12430.8 SY	\$2.00	\$24,861.60
13	3030002 Aggregate Base, Class 2	3030002	35 TN	\$23.00	\$805.46
15	4010028 Portland Cement Concrete Pavement (For Bus Bay)	4010028	13 SY	\$70.00	\$910.00
18	4040300 Crack Sealing (Asphaltic Concrete Pavement)	4040300	9,501 LF	\$2.10	\$19,952.10
20	4060018 Asphaltic Concrete (East Valley Asphalt Committee-A-12.5)	4060018	714 TN	\$58.00	\$41,427.20
34	5030346 Catch Basin, Type D, One 3' Wing (MAG Det. 533-1)	5030346	2 EA	\$3,200.00	\$6,400.00
87	7320783 Single Mode Fiber Optic Cable (48 Fiber)	7320783	2,071 LF	\$2.50	\$5,177.50
145	9080101 Concrete Curb and Gutter, Type A (MAG Det. 220)	9080101	183 LF	\$9.00	\$1,649.79
148	9080241 Concrete Sidewalk (MAG Det 230)	9080241	2,257 SF	\$3.50	\$7,899.50
153	9080305 Concrete Driveway (Det. BB)	9080305	4,641 SF	\$7.00	\$32,487.00
165	9240170 Contractor Quality Control	9240170	1 LS		\$28,219.27
166	9250001 Construction Surveying and Layout	9250001	1 LS		\$5,000.00
		<b>Sub Total</b>			<b>\$180,860.42</b>

**Contract Completion Date Extension**

General Conditions	45 Days		\$100,007.10
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Change Order 6 \$891,447.01