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**CONSTRUCTION SPECIFICATIONS**

**FOR**

**CONTRACT FCD 96-02**

**Rittenhouse Drainage Improvement Project  
Mesa, Arizona, parallel to Southern Pacific railroad tracks  
from approximately one mile northwest of Power Road to Sossaman Road**

**Flood Control District of Maricopa County  
2801 West Durango Street  
Phoenix, Arizona 85009**



**(Engineer's  
Seal)**

**Prepared For**

**FLOOD CONTROL DISTRICT OF MARICOPA COUNTY**

**Recommended by:** *Edward A. Raleigh* **Date:** 9/18/96  
**Edward A. Raleigh, P.E., Chief  
Engineering Division**

**Issued for Public Bidding by:** *Stanley L. Smith, Jr.* **Date:** 9-18-96  
**Stanley L. Smith, Jr., P.E.  
Interim Chief Engineer and General Manager**

**SUPPLEMENTARY TO MARICOPA ASSOCIATION OF GOVERNMENTS UNIFORM  
STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION EDITION OF  
1992 AND REVISIONS AND SUPPLEMENTS THERETO.**

**ATTENTION**

**ALL PROSPECTIVE BIDDERS**

A.R.S. Section 34-201 requires that construction bid proposals be accompanied by a certified check, cashiers check or surety bond for ten percent (10%) of the total amount of the bid.

All bonds must be executed solely by a surety company or companies holding a Certificate of Authority to transact surety business in Arizona, issued by the Director of the (State) Department of Insurance.

Bonds (bid, payment and performance) executed by an individual surety or sureties are not in compliance with the Arizona Revised Statutes. Bids received containing bid bonds not in compliance with the Arizona Revised Statutes will be considered as being non-responsive. The use of District-supplied bond forms is required.

Please submit your bids accordingly.

**FLOOD CONTROL DISTRICT OF MARICOPA COUNTY**

**CONTRACT FCD 96-02**

**Rittenhouse Drainage Improvement Project**

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(Area to left reserved  
for Engineer's Seal)

**FLOOD CONTROL DISTRICT OF MARICOPA COUNTY**

**INVITATION FOR BID**

**BID OPENING DATE:**           October 17, 1996

**LOCATION:** Mesa, Arizona, parallel to the Southern Pacific Railroad tracks from approximately one mile northwest of Power Road to Sossaman Road.

**PROPOSED WORK:** Work will consist of channel excavation of approximately two miles of channel, construction of additional barrels to the box culvert at Power Road, construction of concrete drop structures and grouted riprap basins and down drains, and placement of gravel mulch.

**BIDS:**

**SEALED BIDS** for the proposed work will be received by the Flood Control District of Maricopa County, 2801 West Durango Street, Phoenix, Arizona 85009 until **2:00 p.m. (Phoenix time) on October 17, 1996**, and then publicly opened and read at 2801 West Durango Street, Phoenix, Arizona 85009. All bids are to be marked in accordance with Section 102.9 of the MAG Uniform Standard Specifications and addressed to the Chief Engineer and General Manager, Flood Control District of Maricopa County, 2801 West Durango Street, Phoenix, Arizona 85009. No bids will be received after the time specified for bid opening. All bids must be submitted on proposal forms furnished by the Flood Control District and included in the Proposal Pamphlet. The Board of Directors reserves the right to reject any and all bids and to waive any informality in any bid received.

**ELIGIBILITY OF CONTRACTOR:**

It is the policy of the Flood Control District of Maricopa County to endeavor to ensure in every way possible that minority and women-owned business enterprises have every opportunity to participate in providing professional services, purchased goods, and contractual services without being discriminated against on the grounds of race, religion, sex, age, disability, or national origin.

The bidder shall be required to certify that it has the appropriate "A" Contractor's license in the State of Arizona to perform the before-mentioned type of work. Certification shall be on the form provided herein.

The bidder may be required to furnish an affidavit as evidence of previous satisfactory performance in the above-mentioned type of work.

**CONTRACT TIME:**

All work on this Contract is to be completed within **one hundred eighty (180) calendar days** after date of Notice to Proceed.

**MBE/WBE PARTICIPATION:**

For this contract, a goal of ten percent (10%) MBE/WBE is established for Minority/Women-Owned Business Enterprises. Instructions and required forms are included in the Minority and Women-Owned Business Enterprise Program Contracting Requirements section. The Maricopa County minority and Women-Owned Business Enterprise Program, effective January 1, 1992, is incorporated by reference.

**PRE-BID CONFERENCE:**

A Pre-Bid conference will be held on October 10, 1996 at 2:00 p.m. Phoenix time, in the Flood Control District New River Conference Room, 2801 West Durango Street, Phoenix, Arizona. All potential contractors and subcontractors are encouraged to attend this pre-bid conference and be prepared at that time to submit in writing and discuss any comments concerning this solicitation.

Questions or items for clarification must be addressed to the Contracting Branch Manager, in writing, at least five (5) days prior to bid opening date. Responses to all questions submitted will be sent to all plan holders by addenda. Verbal interpretations, unless specifically addressed by addendum, shall not be binding nor have any legal effect.

**PROJECT PLANS, SPECIAL PROVISIONS AND CONTRACT DOCUMENTS:**

In accordance with the General Conditions Section 103.1, paragraph 3, purchasers of the first issue of the Plans and Construction Specifications may obtain replacement sets of Project Plans and Specifications at no additional charge, except that out-of-town bidders will pay shipping charges. Other potential bidders may obtain Plans and Construction Specifications upon payment of \$25.00 by check, payable to the FLOOD CONTROL DISTRICT OF MARICOPA COUNTY. This payment will not be refunded. Mail orders for project documents must include an additional \$7.50 for first class U.S. postage and handling. The total \$32.50 will not be refunded. Regardless of circumstances, we cannot guarantee mail delivery. Plans and Construction Specifications are available from the Flood Control District of Maricopa County, 2801 West Durango Street, Phoenix, Arizona 85009.

Each bid must be accompanied by a Bid Bond executed on the District-supplied bond form, cashier's or certified check or postal money order equal to 10 percent (10%) of the bid, made payable to the FLOOD CONTROL DISTRICT OF MARICOPA COUNTY as a guarantee that if the work is awarded to the bidder, the bidder will within ten (10) days of receipt of the Proposal Acceptance, enter into proper contract and bond condition for the faithful performance of the work, otherwise, said amount may be forfeited to the said BOARD OF DIRECTORS.

\*\*\*\*\*

**PRINCIPLE ITEMS AND APPROXIMATE QUANTITIES**

QUANTITY	UNIT	DESCRIPTION
128,000	CY	Excavation
12,000	SY	Grouted Riprap
700	CY	Structural Concrete
82,000	SY	Gravel Mulch

**BID**

TO THE BOARD OF DIRECTORS  
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
PHOENIX, ARIZONA

Gentlemen:

The following bid is made for **Rittenhouse Channel Improvement Project, FCD 96-02**, in the County of Maricopa, State of Arizona.

The following bid is made on behalf of

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and no others. Evidence of authority to submit the bid is herewith furnished. The bid is in all respects fair and is made without collusion on the part of any person, firm, or corporation mentioned above, and no member or employee of the Board of Directors is personally or financially interested, directly or indirectly, in the bid, or in any purchase or sale of any materials or supplies for the work in which it relates, or in any portion of the profits thereof.

The Undersigned certifies that the approved Plans, Supplementary General Conditions, Special Provisions, Forms of Contract, Bonds, and Sureties authorized by the Board of Directors and constituting essential parts of the bid, have been carefully examined and also that the work site has been personally inspected.

The Undersigned declares that the amount and nature of the work to be done is understood and that at no time will misunderstanding of the Plans, Construction Specifications, Special Provisions, Supplementary General Conditions, or conditions to be overcome, be pled. On the basis of the Plans, Construction Specifications, Special Provisions, Supplementary General Conditions, the Forms of Contract, Bonds, and Sureties proposed for use, the Undersigned proposes to furnish all the necessary machinery, equipment, tools, apparatus, and other means of construction, to do all the work and to furnish all the materials in the manner specified and to finish the entire project within the time hereinafter proposed and to accept, as full compensation therefore, the sum of various products obtained by multiplying each unit price, herein bid for the work or materials, by the quantity thereof actually incorporated in the complete project, as determined by the Engineer or Architect.

The Undersigned understands that the quantities mentioned herein are approximate only and are subject to increase or decrease and hereby proposes to perform all quantities of work, as either increased or decreased, in accordance with the provisions of the Specifications, at the unit price bid in the Bidding Schedule.

The Undersigned further proposes to perform all extra work that may be required on the basis provided in the Specifications and to give such work personal attention and to secure economical performance.

The Undersigned further proposes to execute the Contract Agreement and furnish satisfactory Bonds and Sureties within ten (10) days of receipt of Notice of Bid Acceptance, **TIME BEING OF THE ESSENCE**. The Undersigned further proposes to begin work as specified in the Contract attached hereto, and to complete the work within **one hundred eighty (180) calendar days**, from the effective date specified in the Notice to Proceed, and maintain at all times a Payment and Performance Bond, approved by the Board of Directors, each in an amount equal to one hundred percent of the contract amount. This Bond shall serve not only to guarantee the completion of the work on the part of the undersigned, but also to guarantee the excellence of both workmanship and material and the payment of all obligations incurred, said Bonds and Sureties to be in full force and effect until the work is finally accepted and the provisions of the Plans, Specifications, and Special Provisions fulfilled.

A bid bond in the amount and character named in the Invitation for Bid, and amounting to not less than ten (10) percent of the total bid, is enclosed. The bid bond is submitted as a guaranty of the good faith of the Bidder that the Bidder will enter into written contract, as provided, to do the work if successful in securing the award thereof. It is hereby agreed that if at any time other than as provided in the bid requirements and conditions the undersigned should withdraw its bid, if the bid is accepted and there should be failure on the part of the undersigned to execute the Contract and furnish satisfactory Bonds and Sureties as herein provided, the Flood Control District of Maricopa County, in either of such events, shall be entitled and is hereby given the right to retain the said bid bond as liquidated damages.

The Undersigned acknowledges receipt of the following addenda, has attached these to the bid package, and has included their provisions in the proposal:

- Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_

The Undersigned has enclosed the required bid security to this bid.

BIDDING SCHEDULE

ITEM NO.	DESCRIPTION	UNIT	APPROX QTY.	UNIT COST NUMBERS	EXTENDED AMOUNT
105-1	Partnering	LS	1	\$5,000.00	\$5,000.00
107-1	NPDES/SWPPP Permits	LS	1		
215-1	Earthwork for Open Channels (including Haul for Disposal	CY	128,341		
220-1	Grouted Rip Rap (for Downdrains)	SY	1,107		
220-2	Grouted Rip Rap Type I (Drop Structures or Channel Protection)	SY	9,059		
220-3	Grouted Rip Rap Type II (Drop Structure Basins)	SY	556		
220-4	Grouted Rip Rap Type III (Drop Structure Basins and Williams Gateway Weir)	SY	1,353		
220-5	Plain Rip Rap D50 = 12"	SY	1,427		
310-1	4" ABC Maintenance Road	CY	1,505		
415-1	Guard Rail	LF	151		
420-2	14' Chain Link Fence Gates (4'-6" High Gates)	EA	3		
421-1	4 Strand Barbless Wire Fence	LF	6,080		
430-1	Gravel Mulch	SY	81,790		
505-1	Structural Concrete (for Box Culverts & Wing Walls) MAG Class "AA"	CY	274		
505-2	Structural Concrete (Channel, Drop Structures) MAG Class "A"	CY	444		
505-3	Replace Irrigation Ditches (Concrete)	LF	695		
505-4	Headwalls per MAG STD Det 501-4	EA	3		
505-5	Concrete Catch Basin	EA	1		
618-1	36" RCP	LF	298		
	<b>***ALTERNATE BID ITEM***</b>				
215-2	Additional Cost for Utilizing Queen Creek Landfill Mandatory Spoil Site	LS	1		

**BID TOTAL** \_\_\_\_\_

**IF BY AN INDIVIDUAL:**

By: \_\_\_\_\_  
(Signature - Title)

\_\_\_\_\_ (Address)

\_\_\_\_\_ (Date)

Phone: \_\_\_\_\_

**IF BY A FIRM, PARTNERSHIP OR L.L.C. (LIMITED LIABILITY COMPANY)**

\_\_\_\_\_ (Firm Name)

\_\_\_\_\_ (Firm Address)

By: \_\_\_\_\_  
(Signature - Title)

Phone: \_\_\_\_\_

Date: \_\_\_\_\_

**\*\* Name and Address of Each Member, or each Manager of L.L.C. per Operating Agreement**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**\*\* The Name and Post Office Address of each Member of the Firm or Partnership must be shown, or of each Manager of an L.L.C., also address of the registered office of the L.L.C.**

**IF BY A CORPORATION:**

\_\_\_\_\_ (Corporate Name)

\_\_\_\_\_ (Corporation Address)

By: \_\_\_\_\_  
(Signature - Title)

Phone: \_\_\_\_\_

Date: \_\_\_\_\_

**\* Incorporated under the Laws of the State of Arizona Names and Addresses of Officers:**

\_\_\_\_\_ (President)

\_\_\_\_\_ (Address)

\_\_\_\_\_ (Secretary)

\_\_\_\_\_ (Address)

\_\_\_\_\_ (Treasurer)

\_\_\_\_\_ (Address)

**\* The Name of the State under which the Laws of the Corporation was Chartered and Name, Title, and Business Address of the President, Secretary, and Treasurer must be shown.**

**SUBCONTRACTOR LISTING**

As required in Section 102.6 of the Supplementary General Conditions, the following is a listing of Subcontractors and material suppliers that are to be used in the event the undersigned should enter into contract with the Owner. No change in the subcontractors and material suppliers listed will be made without prior written approval of the Owner.

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(Signature)

SURETY BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, \_\_\_\_\_, as Principal, (hereinafter called the Principal), and the \_\_\_\_\_, a corporation duly organized under the laws of the State of \_\_\_\_\_, as Surety, (hereinafter called the Surety), are held and firmly bound unto the Flood Control District of Maricopa County as Obligee, in the sum of **ten percent (10%)** of the total amount of the bid of Principal, submitted by him to the Flood Control District of Maricopa County, for the work described below, for the payment of which sum, well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, and administrators, successors and assigns, jointly and severally, firmly by these presents, and in conformance with the Arizona Revised Statutes.

WHEREAS, the said Principal is herewith submitting its proposal for Contract FCD 96-02, Rittenhouse Channel Improvement Project.

NOW, THEREFORE, if the Flood Control District of Maricopa County shall accept the proposal of the Principal and the Principal shall enter into a contract with the Flood Control District of Maricopa County in accordance with the terms of the proposal and give the Bonds and Certificates of Insurance as specified in the Standard Specifications with good and sufficient Surety for the faithful performance of the contract and for the prompt payment of labor and material furnished in the prosecution of the contract, or in the event of the failure of the Principal to enter into the contract and give such Bond and Certificate of Insurance, if the Principal pays to the Flood Control District of Maricopa County the difference not to exceed the penalty of the bond between the amount specified in the proposal and such larger amount for which the Flood Control District of Maricopa County may in good faith contract with another party to perform the work covered by the proposal then this obligation is void. Otherwise it remains in full force and effect, provided, however, that this bond is executed pursuant to the provisions of Section 34-201, Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with the provisions of the section to the extent as if it were copied at length herein.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, A.D., 1996.

\_\_\_\_\_  
Agency of Record, State of Arizona

\_\_\_\_\_  
Principal

\_\_\_\_\_  
Agency Address

By: \_\_\_\_\_

Title: \_\_\_\_\_

\_\_\_\_\_  
Surety

By: \_\_\_\_\_

Title: \_\_\_\_\_

Bond Number: \_\_\_\_\_

ATTACH SURETY POWER OF ATTORNEY

**AFFIDAVIT BY CONTRACTOR  
CERTIFYING THAT THERE WAS NO COLLUSION  
IN BIDDING FOR CONTRACT**

STATE OF ARIZONA )  
County of Maricopa )SS

\_\_\_\_\_ being first duly sworn, deposes and says:  
That he/she is \_\_\_\_\_ of \_\_\_\_\_ bidding on Contract  
FCD 96-02 for Rittenhouse Channel Improvement Project, in the County of Maricopa, State of Arizona.

That, in connection with the above-mentioned project, neither he/she, nor anyone associated with the  
aforesaid business, has, directly or indirectly, participated in any collusion, entered into any contract,  
combination, conspiracy or other act in restraint of trade or commerce in violation of the provisions of A.R.S.  
Section 34-251, Article 4, as amended.

\_\_\_\_\_  
(Signature of Affiant)

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 1996.

\_\_\_\_\_  
(Notary Public)

\_\_\_\_\_  
My Commission Expires

**CERTIFICATION OF LICENSE**

Pursuant to A.R.S. Section 32-1169, I hereby state that I hold a current contractor's license, duly issued by the office of the Registrar of Contractors for the State of Arizona, said license has not been revoked, that the license number is: \_\_\_\_\_ that my privilege license number (as required by A.R.S. Section 42-1305) is: \_\_\_\_\_; and that, if any exemption to the above licensing requirements is claimed;

(1) The basis for the claimed exemption is: \_\_\_\_\_ and;

(2) The name(s) and license number(s) of any general, mechanical, electrical, or plumbing contractor(s) to be employed on the work are:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

IT IS UNDERSTOOD THAT THE FILING OF AN APPLICATION CONTAINING FALSE OR INCORRECT INFORMATION CONCERNING AN APPLICANT'S CONTRACTOR'S LICENSE OR PRIVILEGE LICENSE WITH THE INTENT TO VOID SUCH LICENSING REQUIREMENTS IS UNSWORN FALSIFICATION PUNISHABLE ACCORDING TO A.R.S. SECTION 13-2704.

\_\_\_\_\_  
Signature of Licensee

Date: \_\_\_\_\_

Company: \_\_\_\_\_

**MINORITY AND WOMEN-OWNED BUSINESS ENTERPRISE PROGRAM  
CONSTRUCTION CONTRACTING REQUIREMENTS**

- A. The following conditions will apply in the calculations of the percentage attainment:
1. All M/WBE firms used in attainment of the goal must be certified with the Maricopa County Minority Business Office (MBO). The MBO is located at 2901 West Durango Street, Phoenix, Arizona 85009, telephone 506-4068. In addition, only those firms certified prior to the bid opening will be considered in the attainment of the goal.
  2. Prime contractor subcontracts to MBE or WBE:  
The M/WBE amount to be applied to the goal will be based on that portion (dollar value) of the contract that the M/WBE performs. For example, if a prime contractor subcontracts work amounting to \$100,000 of a contract for which the total project cost is \$1,000,000 the M/WBE participation will be credited as 10 percent.
  3. Prime Minority Contractor:  
An M/WBE prime contractor will be credited with the M/WBE participation for that portion of the contract which they themselves perform plus that portion subcontracted to other M/WBE firms. For example, if an M/WBE prime contractor proposes to perform 50 percent of a project quoted as \$1,000,000 and subcontracts 25 percent to an MBE firm and 25 percent to a non-M/WBE firm, M/WBE participation will be credited as 75 percent, or \$750,000.
  4. Minority-Non Minority Joint Venture:  
A joint venture consisting of M/WBE participation and non-M/WBE business enterprises, functioning as a prime contractor, will be credited with minority participation on the basis of the percentage of profit accruing to the M/WBE firm. For example, if a M/WBE and non-M/WBE joint venture proposes to perform 50 percent of a \$1,000,000 project and 50 percent of the joint venture profits (\$500,000) are to accrue to the M/WBE partner in the joint venture, M/WBE participation will be credited at 25 percent or \$250,000.
  5. Lower Tier Non-M/WBE Participation:  
M/WBE subcontractors proposing to further subcontract to non-M/WBE contractors shall not have that portion of subcontracting activity considered when determining the percentage of M/WBE participation.
  6. M/WBE Suppliers:  
Any M/WBE supplier that performs a commercially useful function, manufactures or substantially alters the material or product it supplies will have that portion of activity considered when determining the percentage of M/WBE participation.
  7. M/WBE Trucking:  
Credit for trucking by MBEs or WBEs will be the amount to be paid when the MBE or WBE trucker will perform the trucking with his/her trucks, tractors, and employees or when a MBE or WBE trucking broker has signed agreements with MBE and WBE truckers.

- B. Required forms:  
**Two Affidavits are included as part of this section.** The first form, the "M/WBE Assurances Affidavit", must be completed and submitted with the bid - **FAILURE TO DO SO SHALL BE CAUSE FOR REJECTION OF THE BID.**

A SAMPLE of the "Actual M/WBE Participation Affidavit", that must be completed and returned by the first and second bidders to the Minority Business Office by 4:00 p.m. on the seventh calendar day after bid opening, if M/WBE goals have been established, is provided for information purposes. A copy of the sample or the sample form itself may also be used. The affidavit will list the M/WBE participation by M/WBE firm name and the relative dollar value of the M/WBE contract. The information in this affidavit is binding on the contractor, to the extent that any amounts may be increased and not decreased, and that if any listed M/WBE's are unable to enter into a subcontract

with contractor, the contractor **must** provide a written report to the Procurement Officer, through the Owner's representative in accordance with instructions provided elsewhere in this document.

C. **Good Faith Efforts:**

Bids which fail to meet MBE or WBE minimum goals at levels which equal or exceed established goals may be considered nonresponsive unless good faith efforts can be determined. Only MBE and WBE firms certified by Maricopa County prior to the bid submittal date, and which will perform a commercially useful function will be counted toward meeting the participation goals. Any portion of the work that a proposed MBE or WBE firm will subcontract to other than a certified firm, regardless of tier, will not be counted toward the applicable goals.

The apparent first and second low bidders who do not fulfill the established MBE and WBE goals must demonstrate, through detailed and comprehensive documentation, that "good faith" efforts have been made to solicit, assist and utilize MBE and WBE firms to meet participation goals.

The County minority Business Office (MBO) will assist prime contractors in identifying possible qualified and interested MBE and WBE subcontractors to meet designated MBE and WBE goals. **A M/WBE listing will be furnished with the bidding documents**, which contractors must utilize in identifying M/WBE firms. It will be the responsibility of the prime contractors to obtain the MBE and WBE firms necessary to meet the MBE and WBE goals.

**FAILURE TO CONTACT THE MBO FOR ASSISTANCE IN COMPLYING WITH THESE GOALS MAY RESULT IN NOT HAVING IMPLEMENTED "GOOD FAITH" EFFORTS.** Contact may be in writing, by telephone, or in person. If by phone or in person, name of MBO person spoken to should be obtained and written within the "CONTRACTOR CERTIFICATE OF GOOD FAITH" SUBMITTAL FORM (supplied if a contract has M/WBE goals).

**(The Minority Business Office is located at 2901 West Durango Street, Phoenix, Arizona. Telephone number is 506-4068.**

**FAILURE TO IMPLEMENT "GOOD FAITH" EFFORTS IN ACCORDANCE WITH THE MARICOPA COUNTY MINORITY BUSINESS ENTERPRISE PROGRAM TO THE SATISFACTION OF MARICOPA COUNTY MAY RESULT IN THE REJECTION OF THE BID.**

If information submitted by a prime contractor indicates that established MBE and WBE goals have not been met, the contractor must be required to provide sufficient documentation to demonstrate that he/she has complied with MBE and WBE requirements or good faith efforts. Good faith efforts will be determined by both quality and intensity of these efforts. Documentation provided to the MBO must include:

1. The date bidder requested assistance in writing, in person, or by telephone from the MBO. The bidder should request assistance from the MBO office in order for a determination to be made. **As Maricopa County M/WBE listings are updated frequently, bidders shall contact the MBO to ensure that they have the most recent edition.**
2. Names, addresses and telephone numbers; and dates of notification of Maricopa County certified MBEs and WBEs solicited by direct mail for this project; and dates and methods used for follow up of initial solicitations to determine with certainty whether MBEs or WBEs were interested in subcontracting. (SEE FOLLOWING NOTE).
3. Items of work for which bidder requested subbids, proposals or materials to be supplied by MBEs and WBEs; information furnished to interested MBEs and WBEs such as specifications and requirements of the work; plans; and any breakdown of items of work into economically feasible units to facilitate MBE and WBE participation.
4. Names of MBEs and WBEs who submitted bids for any of the work indicated above and were not accepted by the prime contractor. An explanation of why MBEs or WBEs contacted will not be awarded subcontracts. If price was the reason for rejection of the bid, the price bid of rejected MBEs or WBEs and price bid of the selected subcontractor shall be submitted. Since utilization of available MBEs and WBEs is the program objective, price differences will not automatically be considered as cause for a prime contractor's rejection of MBE and WBE bids.

5. Documentation of written notices or telephone calls to a reasonable number of M/WBEs soliciting their participation in sufficient time to allow M/WBEs to participate effectively. All M/WBEs listed on the Maricopa County Certification list which provide applicable goods and services for subject procurement/project should be contacted.

NOTE: THE ABOVE GOOD FAITH EFFORTS MUST HAVE BEEN CONDUCTED DURING THE BIDDING PERIOD AND PRIOR TO THE BID OPENING WITH SUBSTANTIAL TIME IN ORDER TO ALLOW FOR A RESPONSE FROM POTENTIAL M/WBE SUBCONTRACTORS. ORIGINAL CONTACT BY A PRIME CONTRACTOR JUST PRIOR TO OR ON THE BID OPENING WILL NOT BE CONSTRUED AS HAVING PROVIDED SUFFICIENT RESPONSE TIME FOR SUBMISSION OF SUBCONTRACT BIDS.

The following efforts can also be utilized in demonstrating "Good Faith" in soliciting M/WBE participation.

1. A description of the efforts made to assist MBEs and WBEs whose bids were rejected to be more competitive in their subcontracting bids. These efforts could include assistance in meeting bonding or insurance requirements.

2. Names and dates of advertisement of each newspaper, trade paper, and minority focus paper in which a request for MBE and WBE participation for this project was placed by the bidder.

Contractors are encouraged to seek M/WBEs in the same geographical area in which the work is to be performed or goods provided. If the bidder cannot meet the established goals using M/WBEs from the geographical area, the bidder should expand its search to a reasonable wider geographical area.

The MBO will make the final decision as to whether good faith efforts were met, based on the information submitted.

D. **Appeal Process for Bid Award:**  
If the Owner is considering award of a contract to a bidder other than the low bidder because of failure to meet MBE and WBE participation goals or good faith efforts, the low bidder will be notified and given an opportunity to protest the decision. This protest will be made in accordance with the Maricopa County Procurement Code, Article 9, MCI-905, which is incorporated by reference.

E. **Contract Compliance:**  
Failure of any bidder, contractor or subcontractor to comply with any of the requirements of the Maricopa County minority and Women-Owned Business Program shall be a material breach of contract. During the term of an awarded contract, the prime contractor shall:

1. Fulfill the MBE and WBE participation commitments submitted with their bid;
2. Continue to make every effort to utilize MBEs and WBEs;
3. Require that their subcontractors make every effort to utilize MBEs and WBEs;
4. Maintain records necessary for monitoring their compliance with provisions contained in the M/WBE Program.

The primary responsibility for assuring contractor's compliance with these M/WBE contract requirements after award rests with the Owner's designated representative. The Owner's designated representative should ascertain that no one other than the approved MBE or WBE contractors or subcontractors are performing the work, and that MBE and WBE subcontractor substitutes have been approved in advance. The prime contractor shall not perform any MBE or WBE contract work items without prior approval by the Owner's Procurement Officer, through the Owner's designated representative.

The Owner's Procurement Office shall advise the Minority Business Office immediately of any circumstances where a contractor appears to be in violation of the MBE and WBE contract requirements. An investigation will be held by the MBO and a recommendation for corrective action shall be forwarded to the Owner's Procurement Officer. Intentional noncompliance with the MBE and WBE requirements may result in withholding funds on the items already completed, in termination of the contract, and/or formal debarment from future contracts. The Maricopa County Minority Business Office reserves the right to inspect all records of the contractor, MBEs and WBEs concerning this project.

The MBO will conduct MBE and WBE compliance reviews on a regular basis.

F. Substitution of Subcontractors:

The prime contractor shall request approval to replace an approved MBE or WBE subcontractor that is unable or unwilling to perform successfully on a contract with another MBE or WBE. This failure does not remove the contractor's responsibility for meeting the MBE and WBE participation goals on the contract. A written request for substitution must be made to the Owner's Procurement Officer, through the designated Owner's representative, of the Procurement Agency. The substitute MBE or WBE, obtained to perform an equal or greater dollar value of work, must be approved by the Owner's Procurement Officer, through the designated Owner's representative, prior to beginning of any work by the substitute MBE or WBE. The request for substitution must include, but is not limited to the following:

1. Reason for substitution.
2. Name, address, and telephone number of the approved MBE or WBE.
3. Name, address and telephone number of the MBE or WBE substitute.
4. Item, numbers, description of work and the proposed MBE and/or WBE dollar amount.
5. Good faith effort documentation if the substitute subcontractor is not an MBE or WBE.

G. Requests for Pay:

Each Request for Pay must be accompanied by a Maricopa County Minority/Women-Owned Business Enterprise Program "MBE/WBE PARTICIPATION REPORT" in the form as provided by the Flood Control District of Maricopa County.

The final pay request shall include a listing of total contract MBE/WBE participation. Line numbers and a description of actual work performed shall also be included. If, at the time of contract completion, the MBE and WBE commitments are not actually attained, the report is to provide an explanation of failure to comply. These reports shall be submitted within thirty (30) days of contract completion, PRIOR TO RELEASE OF ANY REMAINING CONTRACT RETENTION.

**CONTRACTOR CERTIFICATE OF GOOD FAITH\***

The intent of this certification is to document the good faith efforts implemented by the apparent low bidder in soliciting and utilizing M/WBE firms to meet the established M/WBE goals for County contracts. This certificate will assist Maricopa County in determining whether the apparent low bidder has implemented "good faith" efforts in accordance with the Maricopa County Minority Business Program. The burden of proof rests with the apparent low bidder.

**(NOTE: Prior to filling out this certificate it is important that contractors review the "good faith" efforts requirements in the M/WBE section of the project specification booklet).**

**Failure to implement "good faith" efforts to the satisfaction of Maricopa County will result in rejection of the proposal.**

I, \_\_\_\_\_, do hereby acknowledge that I am the \_\_\_\_\_ of \_\_\_\_\_ who has been identified as the selected contractor on Flood Control District Project/Contract FCD \_\_\_\_\_.

Provide a brief summary of why the established M/WBE goal for this project has not been met. (Attach additional sheets if necessary).

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I hereby certify that I have made comprehensive "good faith" efforts to solicit and utilize County certified M/WBEs to meet the established M/WBE goal of this project as demonstrated by my responses to the following questions:

**A. IDENTIFYING SUBCONTRACTOR WORK ITEMS**

Contractors are encouraged to select portions of work to be subcontracted in a manner which will increase the likelihood of meeting the established M/WBE goal for the project. In selecting work to be performed, contractors will consider, where appropriate, breaking down the project into economically feasible units to facilitate M/WBE participation. Contractors are reminded that only M/WBE certified by the County can be used as participants towards meeting the project goals. A County M/WBE Certification listing will be provided to all contractors interested in submitting bids for projects. This listing is the only authorized source from which to select M/WBEs for project participation. Current copies of this listing may be obtained by calling the Minority Business Office at (602) 506-4068.

1. Which portions of the contract proposal, in terms of the nature of the work were selected to be subcontracted to M/WBE firms?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. NOTIFYING M/WBE FIRMS OR CONTRACTING OPPORTUNITIES**

1. Solicitations by mail/fax must be made to all M/WBE firms identified on the M/WBE Certification Listing that perform the type of work which is proposed for subcontracting. Following this initial solicitation, at least one follow-up telephone call must be made to any of the M/WBE firms who have not responded to the mailing.

2. In the spaces provided below, indicate which firms received written notification of work items to be subcontracted. In the appropriate space, also indicate when the M/WBE firms received subsequent telephone solicitations. Please attach additional sheets so that all firms contacted are listed and attach photo copies of all written/fax solicitations to M/WBEs to this documentation.

M/WBE Firm Contacted	Name	Tel. No.	Date

3. Were the services of the County Minority Business Office used to assist the contractor in the recruitment of M/WBEs or to assist in solving other problems? Yes\_\_\_\_\_ No\_\_\_\_\_

Contact was made by\_\_\_\_\_ Telephone\_\_\_\_\_

Written correspondence\_\_\_\_\_ Date contacted\_\_\_\_\_

Staff person contacted\_\_\_\_\_

**C. PROVIDING M/WBES WITH ASSISTANCE**

1. Explain any efforts undertaken to provide M/WBEs with information regarding project plans, specifications and requirements of the project:

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2. Describe any efforts initiated to provide special assistance to M/WBE firms interested in participating in this project:

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3. Describe any efforts undertaken to assist M/WBE firms in obtaining bonding, lines of credit, or insurance required by the County for this project:

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4. Was solicitation for M/WBEs advertised in local papers, ethnic periodicals, or trade journals? If YES, please list the name of the periodical and dates advertised.

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**D. SOLICITING QUOTES FROM M/WBE FIRMS**

Contractors must solicit quotes in good faith with interested M/WBE firms. Quotes and bids from interested M/WBEs must not be rejected by bidders without sound justification based upon a thorough investigation of the capabilities of the M/WBE firms.

1. Indicate in the space provided below, which M/WBE firms submitted quotes on the project proposal. Also provide a brief explanation of why any of these M/WBE quotes were rejected. If price was a

determining factor, provide documentation showing the non-minority quotes. Please attach additional sheets if necessary.

**Name of M/WBE Firm**

**Explanation for rejecting quote**

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\* To be included in contract documents or those procurements which have M/WBE contract goals.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
MINORITY/WOMEN OWNED BUSINESS ENTERPRISE PROGRAM

**ACTUAL MBE/WBE PARTICIPATION AFFIDAVIT**

(NOTE: COMPLETED AFFIDAVIT MUST BE SUBMITTED WITHIN SEVEN CALENDAR DAYS FOLLOWING THE BID OPENING).

\_\_\_\_\_  
Name of Contractor

Project/Contract Number FCD 96-02 Total Amount of Contract \_\_\_\_\_  
Contract M/WBE Goal: 10 %

\_\_\_\_\_  
Contact Person

\_\_\_\_\_  
Street No.

\_\_\_\_\_  
City State Zip

Minority/Women Owned Firm      Principal      Address      Type of Work      Contract Percentage

<u>Minority/Women Owned Firm</u>	<u>Principal</u>	<u>Address</u>	<u>Type of Work</u>	<u>Contract Percentage</u>
<b>SAMPLE</b>				

TOTALS (Dollars/Percentage) \_\_\_\_\_

The undersigned has entered into a formal agreement with the MBE/WBE subconsultants/subcontractors /suppliers listed above, in the execution of this contract with Maricopa County.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

STATE OF ARIZONA    }  
                                  }ss  
County of Maricopa    }

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ by \_\_\_\_\_  
Notary Public

My commission Expires: \_\_\_\_\_

**MARICOPA COUNTY  
MINORITY/WOMEN-OWNED BUSINESS ENTERPRISES PROGRAM**

**D/M/WBE PARTICIPATION REPORT  
(To be attached with Each Request for Pay)**

---

Date: \_\_\_\_\_

General Contractor/Prime Consultant: \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone Number: \_\_\_\_\_  
Fax Number: \_\_\_\_\_

Project Description: Rittenhouse Channel Improvement  
Contract Number: FCD 96-02  
For Pay Period of (indicate dates): \_\_\_\_\_

D/M/WBE Subcontractor/Subconsultant Name: \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone Number: \_\_\_\_\_

Type of Firm: \_\_\_\_\_  
Type of Work performed for this project: \_\_\_\_\_

Total D/M/WBE Subcontract Amount: \$ \_\_\_\_\_

Amount Paid to this D/M/WBE  
Subcontractor this invoice: \$ \_\_\_\_\_

Total paid to this Subcontractor to date: \$ \_\_\_\_\_

Total D/M/WBE Contract Goal this project = 10 %

Total D/M/WBE Participation  
on this contract to date = \_\_\_\_\_%

cc: Maricopa County Infrastructure  
Contracts and D/W/MBE Office  
2901 West Durango Street  
Phoenix, Arizona 85009

## CONTRACT AGREEMENT

THIS AGREEMENT, made and entered into this \_\_\_ day of \_\_\_\_\_, 1996 by and between the FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, hereinafter called the OWNER, acting by and through its BOARD OF DIRECTORS, and \_\_\_\_\_, hereinafter called the CONTRACTOR.

WITNESSETH: That the said CONTRACTOR, for and in the consideration of the sum of \_\_\_\_\_ (\$ ) to be paid to him by the OWNER, in the manner and at the times hereinafter provided, and of the other covenants and agreements herein contained, hereby agrees for himself, heirs, executors, administrators, successors, and assigns as follows:

ARTICLE I - SCOPE OF WORK: THE CONTRACTOR shall construct, and complete in a workmanlike and substantial manner and to the satisfaction of the Chief Engineer and General Manager, a project for the Flood Control District of Maricopa County, designated as Contract FCD 96-02, and furnish at its own cost and expense all necessary machinery, equipment, tools, apparatus, materials, and labor to complete the work in the most substantial and workmanlike manner according to the Plans and Construction Specifications on file with the Flood Control District of Maricopa County, 2801 West Durango Street, Phoenix, Arizona, and such modifications of the same and other directions that may be made by the Flood Control District of Maricopa County as provided herein.

ARTICLE II - CONTRACT DOCUMENTS: The Invitation to Bid, Plans, Standard Specifications and Details, Supplementary General Conditions, Special Provisions, Addenda, if any, Proposal, Affidavits, Performance Bond, Payment Bond, Certificates of Insurance, and Change Orders, if any; i.e. Construction Specifications, are by this reference made a part of this Contract and shall have the same effect as though all of the same were fully inserted herein.

ARTICLE III - TIME OF COMPLETION: The CONTRACTOR further covenants and agrees at its own proper cost and expense, to do all work as aforesaid for the construction of said improvements and to completely construct the same and install the material therein, as called for by this agreement free and clear of all claims, liens, and charges whatsoever, in the manner and under the conditions specified **within one hundred eighty (180) calendar days**.

ARTICLE IV - PAYMENTS: For and in consideration of the faithful performance of the work herein embraced as set forth in the Contract Documents, which are a part hereof and in accordance with the directions of the OWNER, through its Engineer and to its satisfaction, the OWNER agrees to pay the said CONTRACTOR the amount earned, computed from actual quantities of work performed and accepted or materials furnished at the unit bid price on the Proposal made a part hereof, and to make such payment in accordance with the requirements of A.R.S. Section 34-221, as amended. The CONTRACTOR agrees to discharge its obligations and make payments to its subcontractors and suppliers in accordance with A.R.S. Section 34-221.

ARTICLE V - TERMINATION: The OWNER hereby gives notice that pursuant to A.R.S. Section 38-511(A) this contract may be cancelled without penalty or further obligation within three years after execution if any person significantly involved in initiation, negotiation, securing, drafting or creating a contract on behalf of the OWNER is, at any time while the contract or any extension of the contract is in effect, an employer agent of any other party to the contract in any capacity or a consultant to any other party of the contract with respect to the subject matter of the contract. Cancellation under this section shall be effective when written notice from the Chief Engineer and General Manager of the OWNER is received by all of the parties to the contract. In addition, the OWNER may recoup any fee for commission paid or due to any person significantly involved in initiation, negotiation, securing, drafting or creating the contract on behalf of the OWNER from any other party to the contract arising as a result of the contract.

ARTICLE VI - NEGOTIATION CLAUSE: Recovery of damages related to expenses incurred by the CONTRACTOR for a delay for which the OWNER is responsible, which is unreasonable under the circumstances and which was not within the contemplation of the parties to the contract, shall be negotiated between the CONTRACTOR and the OWNER. This provision shall be construed so as to give full effect to any provision in the contract which requires notice of delays, provides for arbitration or other procedure for settlement or provides for liquidated damages.

ARTICLE VII - COMPLIANCE WITH LAWS: The CONTRACTOR is required to comply with all Federal, State and local ordinances and regulation. The CONTRACTOR's signature on this contract certifies compliance with the provisions of the I-9 requirements of the Immigration Reform Control Act of 1986 for all personnel that the CONTRACTOR and any subcontractors employ to complete this project. It is understood that the OWNER shall conduct itself in accordance with the provisions of the Maricopa County Procurement Code.

ARTICLE VIII - MBE/WBE PROGRAM: The OWNER will endeavor to ensure in every way possible that minority and women-owned business enterprises shall have every opportunity to participate in providing professional services, purchased goods, and contractual services to the OWNER without being discriminated against on the grounds of race, religion, sex, age, disability, or national origin. The Maricopa County Minority Business Program implemented January 1, 1992, is incorporated by reference.

ARTICLE IX - ANTI-DISCRIMINATION PROVISION: The CONTRACTOR agrees not to discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, age, or disability and further agrees not to engage in any unlawful employment practices. The CONTRACTOR further agrees to insert the foregoing provision in all subcontracts hereunder.

IN WITNESS WHEREOF: Five (5) identical counterparts of this Contract, each of which shall for all purposes be deemed an original thereof, have been duly executed by the parties hereinabove named, on the date and year first above written.

\_\_\_\_\_  
Party of the First Part

By: \_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Signature

Title: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
Tax Identification Number

FLOOD CONTROL DISTRICT OF  
MARICOPA COUNTY PARTY OF  
THE SECOND PART

By: \_\_\_\_\_  
Chairman, Board of Directors

ATTEST:

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

RECOMMENDED BY:

\_\_\_\_\_  
Interim Chief Engineer and General Manager  
Flood Control District of Maricopa County

Date: \_\_\_\_\_

LEGAL REVIEW

Approved as to form and within the powers and authority granted under the laws of the State of Arizona to the Flood Control District.

By: \_\_\_\_\_  
District, General Counsel

Date: \_\_\_\_\_

**STATUTORY PAYMENT BOND PURSUANT TO TITLE 34  
CHAPTER 2, ARTICLE 2, OF THE ARIZONA REVISED STATUTES  
(Penalty of this bond must be 100% of the Contract amount)**

KNOW ALL MEN BY THESE PRESENTS:

That, \_\_\_\_\_ (hereinafter called the Principal), as Principal, and \_\_\_\_\_ a corporation organized and existing under the laws of the State of \_\_\_\_\_, with its principal office in the City of \_\_\_\_\_ (hereinafter called the Surety), as Surety, are held and firmly bound unto the Flood Control District of Maricopa County, in the County of Maricopa, State of Arizona (hereinafter called the Obligee), in the amount of \_\_\_\_\_ (\$ \_\_\_\_\_), for the payment whereof, the said Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the Flood Control District of Maricopa County, dated the \_\_\_ day of \_\_\_\_\_, 1996 for Contract FCD 96-02, which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the Principal promptly pays all monies due to all persons supplying labor or materials to the Principal or the Principal's Subcontractors in the prosecution of the work provided for in the contract, this obligation is void. Otherwise it remains in full force and effect.

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of the Title 34, Chapter 2, Article 2, Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with the provisions, conditions and limitations of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the same extent as if they were copied at length in this agreement.

The prevailing party in a suit on this bond shall recover as a part of the judgment reasonable attorney fees that may be fixed by a judge of the court.

Witness our hands this \_\_\_\_\_ day of \_\_\_\_\_, 1996.

\_\_\_\_\_  
Principal Seal

By: \_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Signature

Title: \_\_\_\_\_

\_\_\_\_\_  
Agency of Record, State of Arizona

\_\_\_\_\_  
Agency Arizona Address

BOND NUMBER: \_\_\_\_\_

\_\_\_\_\_  
Surety Seal

By: \_\_\_\_\_

Title: \_\_\_\_\_

ATTACH SURETY POWER OF ATTORNEY

**STATUTORY PERFORMANCE BOND PURSUANT TO TITLE 34  
CHAPTER 2, ARTICLE 2, OF THE ARIZONA REVISED STATUTES  
(Penalty of this bond must be 100% of the Contract amount)**

KNOW ALL MEN BY THESE PRESENTS:

That, \_\_\_\_\_ hereinafter called the Principal, as Principal, and \_\_\_\_\_ a corporation organized and existing under the laws of the State of \_\_\_\_\_, with its principal office in the City of \_\_\_\_\_ (hereinafter called the Surety), as Surety, are held and firmly bound unto the Flood Control District of Maricopa County, in the County of Maricopa, State of Arizona, in the amount of \_\_\_\_\_ (\$ \_\_\_\_\_), for the payment whereof, the said Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the Flood Control District of Maricopa County, dated the \_\_\_\_\_ day of \_\_\_\_\_, 1996, for **Contract FCD 96-02**, which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the Principal faithfully performs and fulfills all of the undertakings, covenants, terms, conditions and agreements of the contract during the original term of the contract and any extension of the contract, with or without notice to the Surety, and during the life of any guaranty required under the contract, and also performs and fulfills all of the undertakings, covenants, terms, conditions and agreements of all duly authorized modifications of the contract that may hereafter be made, notice of which modifications to the Surety being hereby waived; the above obligation is void. Otherwise it remains in full force and effect.

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with the provisions, conditions and limitations of Title 34, Chapter 2, and Article 2, Arizona Revised Statutes, to the extent as if they were copied at length in this agreement.

The prevailing party in a suit on this bond shall recover as part of the judgment reasonable attorney fees that may be fixed by a judge of the court.

Witness our hands this \_\_\_\_\_ day of \_\_\_\_\_, 1996.

\_\_\_\_\_  
Principal Seal

By: \_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Signature

Title: \_\_\_\_\_

\_\_\_\_\_  
Agency of Record, State of Arizona

\_\_\_\_\_  
Agency Arizona Address

\_\_\_\_\_  
Surety Seal

By: \_\_\_\_\_

BOND NUMBER: \_\_\_\_\_

Title: \_\_\_\_\_

ATTACH SURETY POWER OF ATTORNEY

**FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
CERTIFICATE OF INSURANCE**

CONTRACT FCD 96-02 \_\_\_\_\_

PROJECT TITLE Rittenhouse Channel Improvement Project

NAME AND ADDRESS OF INSURANCE AGENCY	<b>INSURANCE COMPANIES AFFORDING COVERAGES</b>	
	Company Letter	<b>A</b>
	Company Letter	<b>B</b>
	Company Letter	<b>C</b>
	Company Letter	<b>D</b>
	Company Letter	<b>E</b>
	Company Letter	<b>F</b>
NAME AND ADDRESS OF INSURED	Company Letter	<b>D</b>
	Company Letter	<b>E</b>
	Company Letter	<b>F</b>
	Company Letter	<b>G</b>

**This is to certify that policies of insurance listed below have been issued to the insured named above and are in force at this time**

COMPANY LETTER	TYPE OF INSURANCE	POLICY NUMBER	START/EXPIRE DATE	LIMITS OF LIABILITY each occurrence	
	<b>COMMERCIAL GENERAL</b> <input checked="" type="checkbox"/> LIABILITY FORM <input checked="" type="checkbox"/> PREMISES OPERATIONS <input checked="" type="checkbox"/> CONTRACTUAL <input checked="" type="checkbox"/> BROAD FORM PROPERTY DAMAGE <input checked="" type="checkbox"/> EXPLOSION & COLLAPSE <input checked="" type="checkbox"/> PRODUCTS/COMPLETED OPERATIONS HAZARD <input checked="" type="checkbox"/> UNDERGROUND HAZARD <input checked="" type="checkbox"/> INDEPENDENT CONTRACTORS <input checked="" type="checkbox"/> PERSONAL INJURY			BODILY INJURY per person  PROPERTY DAMAGE each occurrence	\$3,000,000  Combined  Single Limit
	<b>COMPREHENSIVE AUTO</b> <input checked="" type="checkbox"/> LIABILITY & NON-OWNED			SAME AS ABOVE	
	<input type="checkbox"/> EXCESS LIABILITY			NECESSARY IF UNDERLYING NOT ABOVE MINIMUM	
	<input checked="" type="checkbox"/> WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY			STATUTORY each accident	\$100,000
	<input type="checkbox"/> ENGINEER'S PROFESSIONAL LIABILITY			EACH CLAIM AND ANNUAL AGGREGATE	

OTHER In addition to the Flood Control District, add Maricopa County, United States Air Force and the City of Mesa as additional insured

Except for Professional Liability Insurance and Workers' Compensation Insurance, the Flood Control District of Maricopa County is added as an additional insured on those types of policies described herein which are required to be furnished by this contract entered into between the insured and the Flood Control District. To the extent provided in this contract, insured shall hold harmless the Flood Control District of Maricopa County from liability arising out of any services provided or duty performed by insured as required by statute, law, purchase order or otherwise required, with the exception of liability for loss or damage resulting from the sole negligence of Flood Control District, its agents, employees or indemnities. It is agreed that any insurance available to the named insured shall be primary of other sources that may be available. It is further agreed that no policy shall expire, be cancelled, or materially changed to affect the coverage available to the District without thirty (30) days written notice to the District. THIS CERTIFICATE IS NOT VALID UNLESS COUNTERSIGNED BY AN AUTHORIZED REPRESENTATIVE OF THE INSURANCE COMPANY.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
2801 West Durango Street  
Phoenix, Arizona 85009

DATE ISSUED \_\_\_\_\_

\_\_\_\_\_  
AUTHORIZED REPRESENTATIVE

It is further agreed that:

The Contractor hereby agrees to indemnify and save harmless the **FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, MARICOPA COUNTY, UNITED STATES AIR FORCE, AND THE CITY OF MESA**, or any of their departments, agencies, officers or employees, from and against all loss, expense, damage or claim of any nature whatsoever which is caused by any activity, condition or event arising out of the performance or nonperformance of any of the provisions of this Agreement, with the exception of liability for loss resulting from the sole negligence of the Flood Control District, its agents, employees, or indemnities.

The **FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, MARICOPA COUNTY, UNITED STATES AIR FORCE, AND THE CITY OF MESA** shall in all instances be indemnified against all liability, losses and damages of any nature for or on account of any injuries to or death of persons or damages to or destruction of property arising out of or in any way connected with the performance or nonperformance of this Agreement, except such injury or damage as shall have been occasioned by the sole negligence of the **FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, MARICOPA COUNTY, UNITED STATES AIR FORCE, AND THE CITY OF MESA**.

The above cost of damages incurred by the **FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, MARICOPA COUNTY, UNITED STATES AIR FORCE, AND THE CITY OF MESA** or any of their departments, agencies, officers or employees, or others aforesaid shall include in the event of an action, court costs, expenses for litigation and reasonable attorney's fees.

\_\_\_\_\_  
Firm

\_\_\_\_\_  
Date

\_\_\_\_\_  
Principal

By: \_\_\_\_\_

\_\_\_\_\_  
Title

**FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
CONTRACT FCD 96-02**

**SUPPLEMENTARY GENERAL CONDITIONS**

**SPECIFICATIONS:**

Except as otherwise amended by these Supplementary General Conditions and the Construction Special Provisions, construction of this project shall be in accordance with all applicable Maricopa Association of Governments (MAG) Uniform Standard Specifications and Uniform Standard Details, latest revision.

**PRECEDENCE OF CONTRACT DOCUMENTS:**

This Contract and its designated documents, whether taken separately or together, are to be interpreted according to full intent, meaning, and spirit, and shall be deemed to mutually explain each other and to be descriptive of any materials to be furnished and the work to be performed under this Contract. In cases of any difference or discrepancy between the Contract documents, the order of precedence shall be (a) the Contract form, (b) Supplementary General Conditions, (c) Construction Special Provisions, (d) Project Plans, and (e) MAG Standard Specifications.

**Subsection 101.2 - Definitions and Terms:**

1. Change the definition of the phrase "Board of Supervisors" to being the Board of Directors acting under the authority of the laws of the State of Arizona and in their capacity of the Board of Directors of the Flood Control District of Maricopa County.
2. Change the definition of the phrase "Budget Project" to being a project financed by funds set aside in the annual budget or otherwise approved by the Flood Control District of Maricopa County Board of Directors.
3. Add to the definition of the phrase "Contract Documents", the phrase "Supplementary General Conditions".
4. Change the definition of the term "Engineer" to being the person appointed by the Flood Control District of Maricopa County Board of Directors to the office of Chief Engineer and General Manager of the Flood Control District of Maricopa County acting directly or through its authorized representative, the Chief of the Flood Control District of Maricopa County Construction and Maintenance Division.
5. Change the definition for the phrase "Notice of Award" to a letter from the Flood Control District of Maricopa County advising Contractor that it is the successful bidder and the Flood Control District of Maricopa County has accepted its proposal.
6. Change the definition of the term "Owner" to the Flood Control District of Maricopa County, acting through its legally constituted officials, officers, or employees.

7. Add the definition for Maricopa County Minority Business Office (MBO); the office responsible for administering the Maricopa County Minority and Women Owned Business Enterprise Program.

8. Add the definition for the Maricopa County Minority and Women-Owned Business Enterprise Program as being the Program adopted by the Board of Supervisors effective January 1, 1992.

**Subsection 102.5 - Preparation of Bids:**

Add the following:

Bids, including the Bidding Schedule, must be legibly written in ink or typed, with all prices given in numerals. In case of a conflict between the unit bid price and the extension, the unit bid price shall govern.

It shall be the responsibility of prospective bidders to determine, prior to submission of a bid, if any addenda have been issued by the Flood Control District. This may be accomplished by calling 602-506-1501. Any addendum issued, if not already bound into the Special Provisions, shall be attached and included as part of the Specifications and any quantities on the Bidding Schedule requiring change shall be adjusted to the new figure by pen and ink.

The bidder's Arizona State Contractor's License number and the classification under which it proposes to perform the work shall be shown on the proposal. An "A" **General Engineering** License is required for this contract. The two lowest bidders may be required to provide certification of prior satisfactory completion for similar construction and to furnish a copy of their license and the renewal certificate.

**Subsection 102.6 - Subcontractors' List:**

Add the following:

A list of subcontractors to be employed on the project shall be submitted with the bid, on the form provided in the Proposal. No change of the subcontractors named therein will be made unless first approved in writing by Owner.

**Subsection 102.7 - Irregular Proposals:**

Add the following:

(F) If bidder fails to complete and submit the Maricopa County Minority and Women-Owned Business Enterprises Assurances Affidavit.

(G) If bidder fails to acknowledge AND attach any addendum issued, if addendum is not already bound into the Specifications.

(H) If bidder fails to utilize Owner's bond forms.

(I) If bidder fails to return the entire specifications document.

**Subsection 103.3**

Add the following:

The basis of contract award shall be to the responsive, responsible bidder with the lowest total of the base bid plus the alternative. However the Owner reserves the right to award or not award the alternative. The alternative may be awarded as a Contract modification after initial contract award of the base bid.

**Subsection 103.6 - Contractor's Insurance:**

Add the following:

A statement from bidder's insurance carrier shall be included in the proposal certifying that it will furnish the specified kind and amounts of insurance to the bidder if it is awarded the contract; and that it will execute the form of Certificate of Insurance included in the documents. As required by law, the statement will be from an insurance carrier or carriers authorized to do business in the State of Arizona, or countersigned by an agent of the carrier authorized to do business in the State of Arizona. Concurrently with the execution of the contract, Contractor shall furnish a Certificate of Insurance, using the included Certificate, that names the additional insureds as set out in the Certificate. The Certificate shall also name the additional insureds as Certificate Holders. The types of insurance and the limits of liability shall be as indicated on the included form.

**Subsection 103.6.1(D) - Contractor's Insurance:**

Add the following:

Include additional insureds as indicated on the included Certificate of Insurance.

**Subsection 103.6.2 - Indemnification of the Contracting Agency Against Liability:**

Add the following:

Additionally, Contractor shall execute the Indemnification on Page 30 of 30 of the Contract Documents.

**Subsection 104.1 - Work to be Done:**

Add the following sentence to 104.1.1:

All water for construction purposes, drinking water, lighting, temporary electric power, heat and telephone service shall be arranged and provided for as per requirements of the work by Contractor at his expense.

**105.1 - Authority of Engineer:**

Add the following:

**105.1.1 - Engineer's Evaluation:** Engineer will be allowed a reasonable time within which to evaluate each proposal or submittal made pursuant to subsections 105.3.1 and 106.4, but such time shall not exceed 20 calendar days. Engineer will be the sole judge of acceptability. No "or-equal" or substitute will be ordered, installed or utilized without Engineer's prior written acceptance which will be evidenced by either a Change Order or an approved Shop Drawing. Owner may require Contractor to furnish at Contractor's expense a special performance guarantee or other surety with respect to any "or-equal" or substitute. Engineer will record time required by Engineer and Engineer's Consultants in evaluating substitutes proposed or submitted by Contractor pursuant to subparagraphs 105.3.1 and

106.4(B) and in making changes in the Contract Documents (or in the provisions of any other direct contract with Owner for work on the project) occasioned thereby. Whether or not Engineer accepts a substitute item so proposed or submitted by Contractor, Contractor shall reimburse Owner for the charges of Engineer and Engineer's Consultants for evaluating each such proposed substitute item.

**105.3 - Conformity with Plans and Specifications:**

Add the following :

**105.3.1 - Substitute Construction Methods or Procedures:** If a specific means, method, technique, sequence or procedure of construction is shown or indicated and expressly required by the Contract Documents, Contractor may furnish or utilize a substitute means, method, technique, sequence or procedure of construction acceptable to Engineer. Contractor shall submit sufficient information to allow Engineer, in Engineer's sole discretion, to determine that the substitute proposed is equivalent to that expressly called for by the Contract Documents. The procedure for review by Engineer will be similar to that provided in subparagraph 106.4(B).

**Subsection 105.5 - Cooperation of Contractor:** Add the following paragraph:

**105.5.1 - Partnering:**

The Owner intends to encourage the foundation of a partnering relationship with the Contractor and its subcontractors. This partnering relationship will be structured to draw on the strengths of each organization to identify and achieve reciprocal goals. The objectives are effective and efficient contract performance, intended to achieve completion within budget, on schedule, and in accordance with plans and specifications.

This partnering relationship will be bilateral in makeup. Any cost associated with effectuating partnering will be covered by the Bid Item. The partnering workshop shall be scheduled after award of the contract, and prior to the Notice to Proceed, and shall be facilitated by a third party competent in the fundamentals of partnering, and mutually acceptable to Contractor and Owner. In order to achieve the desired partnering relationships, the Contractor will need to encourage attendance by its major subcontractors on the project. Follow-up workshops will be held periodically throughout the duration of the contract as agreed to by the Contractor and Owner.

An integral aspect of partnering is the resolution of disputes in a timely, professional, and non-adversarial manner. Alternative dispute resolution (ADR) methodologies will be encouraged in place of the more formal dispute resolution procedures. ADR will assist in promoting and maintaining an amicable working relationship to preserve the partnering relationship. ADR in this context is intended to be a voluntary, non-binding procedure available for use by the parties to this contract to resolve any dispute that may arise during performance.

Payment for Partnering will be made on the basis of invoices, and will be for a total amount not to exceed the amount shown in the bid schedule for the item:

**ITEM 105-1 - PARTNERING**

**Subsection 105.6 - Cooperation with Utilities:**

Add the following:

An attempt has been made to determine the location of all underground utilities and drainage pipes, culverts, and structures; however, it shall be Contractor's responsibility to cooperate with the pertinent

utility companies so that any obstructing utility installation(s) may be adjusted. Should Contractor's operations result in damage to any utility the location of which has been brought to its attention, he shall assume full responsibility for such damage. Contractor shall contact Arizona Blue Stake (telephone number 263-1100) a minimum of two (2) working days before beginning any underground work. In addition, Blue Stake notification(s) shall be maintained on a current basis.

The following phone numbers should put Contractor in contact with the proper personnel:

Flood Control District	506-1501
US West Communications	831-4647
Southwest Gas	484-5454
Location Staking (A.P.S. , U.S. West, S.R.P.)	263-1100
Maricopa County Department of Transportation	506-8600

**Subsection 105.8 - Construction Stakes, Lines, and Grades:**

Add the following:

A. Engineer will furnish the project survey control line together with a Bench Mark which the construction contractor will use to set line and grade for all construction. All other surveying required for the project shall be the contractor's responsibility. Engineer will not set any construction stakes.

B. Before any construction work is started, Engineer shall perform all base surveys and cross sections of existing conditions that may be required as a basis for quantity determination.

**Subsection 106.1 - Source of Materials and Quality:**

Add the following:

Select Material, Aggregate Base, Mineral Aggregate, concrete, steel products and pipe shall be obtained from commercial sources. Contractor shall pay all royalties, or any other charges or expenses, incurred in connection with the securing and hauling of the material. Contractor will be required to furnish Engineer with a list of its proposed commercial sources prior to use, and shall present certificates stating that the material produced from any commercial sources is in accordance with the Uniform Standard Specifications and these Supplementary General Conditions.

**Subsection 106.4 - Trade Names and Substitutions:**

Replace with the following:

Whenever an item of material or equipment is specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular Supplier, the specification or description is intended to establish the type, function and quantity required. Unless the specification or description contains or is followed by words reading that no like, equivalent or "or-equal" item or no substitution is permitted, other items of material or equipment of other Suppliers may be accepted by Engineer under the following circumstances:

A) "Or-Equal": If in Engineer's sole discretion an item of material or equipment proposed by Contractor is functionally equal to that named and sufficiently similar so that no change in related Work will be required, it may be considered by Engineer as an "or-equal" item, in which case review and approval of the proposed item may, in Engineer's sole discretion, be accomplished without compliance with some or all of the requirements for acceptance of proposed substitute items.

B) Substitute Items: If in Engineer's sole discretion an item does not qualify as an "or-equal" item under subparagraph 106.4 (A), it will be considered a proposed substitute item. Contractor shall submit sufficient information as provided below to allow Engineer to determine that the item of material or equipment proposed is essentially equivalent to that named and an acceptable substitute therefor. The procedure for review by Engineer will include the following and may be supplemented in the Special Provisions and as Engineer may decide is appropriate under the circumstances. Requests for review of proposed substitute items of material or equipment will not be accepted by Engineer from anyone other than Contractor. If Contractor wishes to furnish or use a substitute item of material or equipment, Contractor shall first make written application to Engineer for acceptance thereof, certifying that the proposed substitute will perform adequately the functions and achieve the results called for by the general design, be similar in substance to that specified and be suited to the same use as that specified. The application will state the extent, if any, to which the evaluation and acceptance of the proposed substitute will prejudice contractor's achievement of completion on time, whether or not acceptance of the substitute for use in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with Owner for work on the project) to adapt the design to the proposed substitute and whether or not incorporation or use of the substitute in connection with the Work is subject to payment of any license fee or royalty. All variations of the proposed substitute from that specified will be identified in the application and available maintenance, repair and replacement service will be indicated. The application will also contain an itemized estimate of all costs or credits that will result directly or indirectly from acceptance of such substitute, including costs of redesign and claims of other contractors affected by the resulting change, all of which will be considered by Engineer in evaluating the proposed substitute. Engineer may require Contractor to furnish additional data about the proposed substitute.

C) Contractor's Expense: All data to be provided by Contractor in support of any proposed "or-equal" or substitute item will be at Contractor's expense.

**Subsection 107.2 - Permits:**

Replace with the following:

Contractor shall obtain all permits and licenses, pay all charges, fees, taxes, and provide all notices necessary and incidental to the due and lawful prosecution of the work.

**Subsection 107.2 - Permits:**

Add the following:

**107.2.1 - NPDES Permit Requirements**

A. This project is subject to the National Pollutant Discharge Elimination System (NPDES) Storm water requirements for construction sites under the Environmental Protection Agency (EPA) General Permit for Arizona. Under provisions of that permit, the contractor shall be designated as permittee, and shall take all necessary measures to assure compliance with the NPDES General Permit for Arizona as well as all other applicable Federal, State and local laws, ordinances, statutes, rules and regulations pertaining to storm water discharge. As the permittee, the contractor is responsible for preparing, in a manner acceptable to the EPA, all documents required by this regulation, including but not necessarily limited to:

1. Storm water Pollution Prevention Plan (SWPPP) for the project, including certification of compliance form. Contractor shall be required to develop, implement, update and revise the SWPPP, as necessary, in order to assure compliance with the EPA permit requirements. The SWPPP shall be retained on the project site at all times during construction.

2. Notice of Intent (NOI) to assure compliance with the NPDES General Permit for Arizona, including certification of signatures.

3. Notice of Termination (NOT) of coverage under NPDES General Permit for Arizona.

B. Preliminary copies of the NOI and the SWPPP shall be submitted to Owner during the preconstruction meeting and shall be subject to review by Owner prior to implementation.

C. Contractor shall submit the completed and duly signed NOI forms no less than forty-eight (48) hours prior to the initial start of construction on the project to the following agencies:

EPA Storm water Notice of Intent  
P.O. Box 1215  
Newington, VA 22122

A copy of the completed NOI form shall be submitted to the following:

Storm water Coordinator  
Arizona Department of Environmental Quality  
P.O. Box 600  
Phoenix, AZ 85001-0600

Failure by the contractor (or subcontractors of any tier) to submit NOI's within the mandated time frame shall result in delay of the construction start date, and no claim for extension of time will be granted for such delay. A copy of the completed NOI shall be posted at the construction site.

D. Inspections of all storm water pollution control devices on the project shall be performed by Contractor on a monthly basis and following each rainfall of 0.50 inches or more in a 24-hour period at the project site as required under provisions of the NPDES General Permit for Arizona. Contractor shall prepare reports on such inspections and retain the reports for a period of three years following the completion of the project. Inspection reports shall be submitted monthly to Owner along with progress payment requests. Additionally, contractor shall maintain all storm water pollution control devices on the project in proper working order, which shall include cleaning and/or repair during the duration of the project.

E. Contractor warrants that its employees and subcontractors of any tier and their employees shall at all times comply with all applicable laws, ordinances, statutes, rules and regulations set forth by all federal, state and local governments and the Environmental Protection Agency in connection with NPDES Permitting requirements and laws and regulations pertaining to air, groundwater and surface water quality.

Fines and penalties imposed by the EPA against Owner or the contractor, for contractor's failure to comply with any of the requirements of NPDES General Permit of Arizona, shall be borne by the contractor.

F. Upon project completion, acceptance and demobilization, contractor shall submit its completed, duly executed NOT form to the EPA, with a copy to the Arizona Department of Environmental Quality (and the appropriate municipality), at the address listed in Section (B) above, thereby terminating all NPDES permit coverage for the project. Contractor shall then surrender to Owner copies of the SWPPP, inspection information and all other documents prepared and maintained

by the contractor in compliance of the NPDES General Permit. Contractor shall retain the originals of such documents for a period of three (3) years following the completion of the project.

G. The Lump Sum price for the SWPPP shall include all material, labor, and all other costs relating to the preparation, installation and maintenance of the SWPPP during project construction, including assuring proper operation of the pollution control devices installed, and all maintenance, cleaning, and disposal costs associated with clean-up and repair following storm events, runoff or releases on the project. The Lump Sum price for the SWPPP shall be inclusive of all costs, and no additional claims shall be made by Contractor under any other specification provision of these documents, including Change Conditions. Payment for this bid item shall be upon final completion and acceptance of the project, as per Section 109.1.

H. Copies of all required forms and guidance for preparing the SWPPP are available in the "Drainage Design Manual for Maricopa County, Volume III Erosion Control". The manual is available at the Flood Control District, 2801 West Durango Street, Phoenix, Arizona 85009.

Payment for NPDES/SWPPP permit requirements shall be made on the basis of lump sum for all work described in Subsection 107.2.1 for:

**ITEM 107-1 - NPDES/SWPPP PERMITS**

**Subsection 107.5:**

Add the following:

The entire construction site shall be considered a "Hard Hat Area" and all personnel in the area will be required to wear a hard hat.

**Subsection 107.5.2 - Compliance with the Arizona Communication Standard:**

Add the following:

Owner will provide Contractor with Material Safety Data Sheets (MSDS) for any products known to exist on the site that are deemed health hazards. Contractor will provide a copy of Owner-provided MSDS to all subcontractors.

Contractor will provide Owner and all subcontractors with MSDS for any products that have or are deemed health hazards that will be brought onto the site or created on the site by either Contractor or by any subcontractors.

Contractor will provide Owner with a statement certifying that all personnel (Contractor and subcontractor) employed by Contractor or by a subcontractor on the job site have received the required Hazard Communication Standard training.

**Subsection 107.6.3 - Project Signs**

Contractor shall provide and install two project information signs, one at each end of the project, before beginning construction. The signs will inform the public of the forthcoming project, construction dates, and suggested alternate travel routes. Project signs shall include the names of all agencies participating in the project. Signs shall not be constructed or installed prior to the Engineer's approval of their design, size and proposed location. The Contractor shall maintain the signs as necessary, and update the information as requested by the Engineer. No separate payment shall be made for project signs, the cost thereof being incidental to the cost of the work.

**Subsection 107.10 - Contractor's Responsibility for Work:**

Add the following:

Contractor is advised that the work will be subject to flows of water of varying amounts. Owner assumes no responsibility for notifying Contractor of any anticipated flows, nor for any damages incurred by Contractor to its equipment or to any of the Contractor's work as a result of any flows of water.

**Subsection 108.1 - Notice to Proceed:**

Delete Paragraph (A) and replace with the following:

(A) Contractor shall commence work within seven (7) calendar days after the date of the Notice to Proceed and complete all work within one hundred eighty (180) calendar days beginning the day following the effective date specified in the Notice to Proceed.

**Subsection 108.2 - Subletting of Contract:**

Add the following:

For this project, Contractor shall perform, with its own organization, work amounting to 50 percent or more of the total contract cost.

**Subsection 108.4 - Contractor's Construction Schedule:**

Delete in its entirety and replace with the following:

Contractor shall submit a proposed work schedule to the Engineer for review before starting work, using the Primavera or other program that is acceptable to the Engineer. Weekly updates shall be submitted to the District's Construction Coordinator at the weekly coordination meeting.

**Subsection 108.4.1**

Add the following:

Contractor shall furnish the Engineer an Estimated Billing Schedule for the total project at the preconstruction conference, and thereafter at monthly intervals as agreed to between Contractor and Engineer.

**Subsection 108.5 - Limitation of Operations:**

Add the following:

Should Contractor elect to perform any work after regular working hours, on weekends, or legal holidays, "with or without written approval of Engineer", any charges incurred by Owner for inspection of the work, surveys or tests of materials will be deducted from monies due or to become due to Contractor.

**Subsection 108.9 - Failure to Complete on Time:**

Add the following:

The actual cost per calendar day incurred by Owner for Consultant Administrative and Inspection Services on this project will be added to the daily charges as indicated by TABLE 108, LIQUIDATED DAMAGES, and will be deducted from monies due or to become due to Contractor for each and every calendar day that work shall remain incomplete after the time specified for the completion of the work in the proposal, or as adjusted by Engineer. Nothing contained in this provision shall prohibit Owner from deducting from monies due or to become due to Contractor for any other costs incurred by Owner directly attributable to the delay in completing this contract.

**Subsection 109.2 - Scope of Payment:**

Add the following:

In addition to the contained provisions, the work under this section shall consist of preparatory work and operations, including but not limited to, the movement of personnel, equipment, supplies and incidentals to the project site; the establishment of all offices, buildings and other facilities necessary for work on the project, and for all other work operations that must be performed and costs incurred prior to beginning work on the various items on the project site.

**Subsection 109.7 - Payment for Bond Issue and Budget Projects:**

Add the following.

(A) To third paragraph, add: Payment or release of retained funds shall be made to the contractor within thirty (30) days following final payment to the contractor (reference (B) following), and contractor furnishing to Engineer satisfactory receipts for all labor and material billed and waivers of liens from any and all persons and subcontractors holding claims against the work. Additionally, Contractor shall furnish a completed Certificate of Performance to Engineer evidencing it has satisfactorily discharged all its duties in connection with the work to be performed under this Contract. The form of Certificate of Performance shall be provided to Contractor by the Engineer.

(B) Delete second and third paragraphs and replace with: The final payment will be made to Contractor by Owner within thirty (30) days following receipt of Engineer's final estimate and receipt by Owner of Consent of Contractor's Surety to said final payment.

If payment will be longer than thirty (30) days as aforesaid, Owner will provide Contractor specific written findings for reasons justifying the delay in payment.

(C) Contractor's pay estimates will be initially processed by Owners' Construction and Operations Division on a Tuesday, Tuesdays being the only day Contractor may submit a pay estimate.

**SPECIAL PROVISIONS  
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
FCD CONTRACT 96-02  
RITTENHOUSE DRAIN  
IMPROVEMENT PROJECT - PHASE I**

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## **Section 201 - Clearing and Grubbing**

In addition to the requirements of the Standard Specifications:

### **201.1 Description - Section 201.1 shall be revised to add the following:**

The work consists of removing fencing, concrete structures, concrete rubble, trees, shrubs and other objectional material as necessary for the construction of this project excavation, and clearing and grubbing of the mandatory fill site at station 21+00, 140' RT to approximately 940' RT, as shown on the plans. Items which are labeled remove and salvage, or reuse, or install, or salvage to Owner shall be removed with special care not to damage the item. If the Owner rejects the salvaged item, it shall be salvaged to the Flood Control District or become the property of the Contractor at the Engineer's direction. The District shall provide a list of Owner contacts for items to be salvaged to Owner. The Contractor shall deliver items to the location specified by the Owner so long as the location specified is within 2 miles of the project limits. All items removed from the project which are not salvaged to Owner shall be the property of the Contractor and shall be disposed in accordance with Federal, State, County, and municipal regulations. Prior to starting his work, the Contractor must verify the location of existing utilities. Utility relocations will be completed by the utility Owner except as noted on the plans.

No separate measurement or payment will be made for clearing and grubbing. This item is incidental to Item 215-1 and Alternate Bid Item 215-2, Earthwork for Open Channels.

## **Section 202 - Mobilization**

### **Contractors Field Office**

The work shall consist of providing and maintaining a furnished Field Office for the exclusive use of the Engineer and the Engineer's staff.

The Contractor shall provide a field office for the duration of the project. The field office may be located on the project site or otherwise with the approval of the Engineer. The office may be in the same building or trailer as office space of the Contractor, provided that such office is separated from the area used by the Contractor by a wall with a locking door. The office shall also have its own door to the outside.

The office shall have a minimum of 150 square feet. The office shall be fully equipped and shall be in place and acceptable to the Engineer not later than 10 days after the issuance of the Notice to Proceed (NTP). The office shall be provided and maintained by the Contractor until seven (7) days after the project acceptance by the District.

The Contractor shall provide hookups and continuous service for electricity, telephone, air conditioning, heating, and water service. All utility costs, except long distance calls make by the Engineer, shall be the responsibility of the Contractor. Permits and hook up fees for the office are the responsibility of the Contractor.

The room for use by County Personnel shall be equipped with the following:

- a. Lights: Electric non-glare type lighting to provide adequate illumination at desk height.
- b. Heating and cooling: Capable of maintaining an air temperature of 72°.
- c. 1 - Office desk with locking drawers and padded swivel chair.
- d. 4 - Folding office chairs.
- e. 2 - 3' x 5' tables.
- f. 1 - Dry erase board.
- g. 1 - Office phone.
- h. 1 - Office fax machine with separate phone line.
- i. Maintenance: The Contractor shall maintain all the facilities and furnished equipment in good working condition.

No separate payment shall be made for the engineers field office, the cost thereof being an incidental cost to the work.

### **Section 206 - Structural Excavation and Backfill**

In addition to the requirements of the Standard Specifications:

#### **206.1 Description - Section 206.1 shall be revised to add the following:**

Structure excavation and backfill shall conform to Section 206 of the Uniform Standard Specifications except as modified herein. The work consists of the removal, placing and compaction of material around the channel structures to the lines designated on the plans or as directed by the Engineer.

#### **206.2 Foundation Material Treatment - Section 206.2 shall be revised to add the following:**

If foundation material below concrete or grouted rip rap structures is unsuitable, as determined by the Engineer, the Contractor shall over-excavate the bottom of the trench as directed and replace the over-excavation with compacted backfill. Where the original surface is below the base of the structure, all fill required for the structural foundation shall be placed as compacted backfill.

All fill about the structure above the base of the structure to lateral dimensions 1 foot outside of the structure and within slopes of one to one to the finished surfaces of adjacent earthwork shall be placed as compacted backfill. All material placed for foundation material shall be compacted to a minimum of 95 percent maximum density.

#### **206.4 Structural Backfill - Section 206.4 shall be revised to add the following:**

Structure backfill behind the drop structures, box culvert, and wing walls shall consist of free-draining granular material and shall not contain stones larger than three inches in diameter, with from 5 to 12 percent passing a #200 sieve and a PI less than 4. Material obtained from project excavations may not be suitable for use in structure backfill construction. Structure backfill shall be placed in horizontal lifts not to exceed six inches in compacted thickness and shall be compacted to a minimum of 95 percent of the maximum density at the optimum moisture content  $\pm 3$  percent as determined in accordance with ASTM D-2922 and D-3017. Compaction equipment or methods which may cause excessive

displacement or may damage structures shall not be used. Hand-operated compaction equipment shall be used adjacent to structures.

The maximum equipment loading allowed over any structure, existing or new, shall be HS-20 loading (16,000 pound wheel load) in accordance with the "Standard Specifications for Highway Bridges", AASHTO latest edition. Construction equipment that exerts a larger load on the top of the structure shall not be allowed to travel over the structure at any time until a method for protecting the structure from the larger loading is approved by the Engineer.

The Contractor shall be responsible for preventing the sloughing or erosion of material from under the existing box culverts at Power Road. Before excavation begins for the construction of the new box culverts under Power Road, the Contractor shall submit for review a plan detailing how the Contractor intends to prevent the loss of material from under the existing box culverts. This plan will be reviewed by the Flood Control District and found to be adequate before it can be implemented. Review and approval to use the Contractor's sloughing or erosion prevention plan by the County will not be construed as a guarantee that the Contractor's plan will not fail. The Contractor has sole responsibility for preventing material from sloughing or eroding out from under the existing box culverts. If material does slough or erode out from under the existing box culverts it is the Contractor's responsibility to fill the void. If the void can be filled as an integral part of the new box culvert it will be filled in this manner at the Contractor's expense. If the void cannot be filled as an integral part of the new box culvert it will be filled by pressure grouting the void with 2,500 psi grout at the Contractor's expense. If the box culverts are damaged, they shall be repaired to the satisfaction of the District or replaced at the Contractor's expense.

No separate measurement or payment will be made for foundation material, structure excavation or structure backfill. These items are incidental to Bid Items 505-1, 505-2, 505-3, 505-4, and 505-5 of Section 505-Concrete Structures of these Special Provisions.

### **Section 211 - Fill Construction**

In addition to the requirements of the Standard Specifications:

#### **Section 211.3 Compacting - Section 211.3 shall be revised to add the following:**

Filling and compaction of mandatory fill site at station 21+00, 140' RT as shown on the plans and fills which are not within the project right-of-way will be compacted to 85% of the maximum density. Fills within the project right-of-way will be compacted to a minimum of 90% of maximum density or as required in Sections 206 or 215. All rills and jugholes shall be filled and compacted to a minimum of 90% of maximum density.

No separate measurement or payment will be made for fill construction. The cost of fill construction shall be considered incidental to Bid Item 215-1, Section 215 - Earthwork for Open Channels.

### **Section 215 - Earthwork for Open Channels**

In addition to the requirements of the Standard Specifications:

**215.1 Description - Section 215.1 shall be revised to add the following:**

**Bid Item 215-1** - shall include channel excavation, channel filling, overbank filling, side collector channel filling, fill and compaction of rills, excavation, watering, grading, shaping, and compaction, and placement of approximately 7,820 cubic yards at the mandatory spoil site at station 21+00, 140' right. Excavated material, exclusive of old tires, rubbish, concrete, and other objectionable materials shall be used in fill areas within the project limits, as shown on the plans, as required by these special provisions, and/or as directed by the Engineer. Excess material not used for fill construction, or for the mandatory spoil site shall be the property of the Contractor and shall be removed from the site unless the District selects to use Bid Item 215-2. The Contractor shall provide documentation indicating the location to which excess material is to be stored and that the Owner of said location has approved the use of the facility. The Contractor shall provide for continued access to private property during and after grading of the right-of-way has been completed.

**Alternate Bid Item 215-2** - the Contractor shall utilize the Queen Creek Landfill as the mandatory spoil site for the disposal of all excess excavated material from the Rittenhouse Channel Phase I, except for any material used as a fill for the project. The bid item shall include hauling to and stock piling of all excess excavation material at the Queen Creek Landfill, with the exception of the following which shall be the property of the Contractor and shall be removed from the site and properly disposed (see attached exhibit for landfill site disposal):

1. Spoils that include such items as old tires, rubbish, other objectionable materials, and any hazardous materials;
2. Spoils that include petroleum contaminated soils or soils excavated near an underground petroleum storage tank and
3. Spoils that contain special waste as defined by ARS 49-851 or solid waste as defined by ARS 49-701.

Maricopa County's Queen Creek Landfill is located on the corner of Riggs and Hawes Roads, in the Town of Queen Creek, Arizona.

The address of the landfill is: Maricopa County Queen Creek Landfill  
26402 B South Hawes Road  
Queen Creek, Arizona

Access to the stockpile area is from Riggs Road. There is an existing break in the perimeter visual screening berm east of the landfill's main entrance. The landfill's main entrance cannot be used by the Contractor to gain access to the stockpile area.

Hauling of excess material shall be carried out in accordance with all applicable regulations pertaining to the movement of loaded vehicles on public roadways.

Stockpiling of excess materials at the Queen Creek Landfill shall be within the boundaries of an area designated by construction staking which will be supplied by the landfill. Construction stakes shall be painted orange. The approximate boundary of the staked area is shown on the attached figure.

The existing surface of the designated stockpile area shall be cleared and grubbed by the Contractor. The Contractor shall grade the surface of the stockpile area to provide a uniform surface. The County inspector shall approve the preparation of the stockpile area prior to commencement of hauling.

Spoils shall be stockpiled by the Contractor. All labor and equipment necessary to construct and maintain the stockpile shall be supplied by the Contractor.

Spoils shall be compacted to a minimum of 85% relative compaction, based on the average of two representative ASTM D 1557-91 moisture-density relationship curves.

The surface of the stockpile shall be graded to drain to the South. The sides of the stockpile shall be maintained at a maximum steepness of 4:1 (horz. to vert.) slope.

The Contractor shall provide dust control at the Queen Creek Landfill related to the stockpiling of soils. Dust control shall consist of carrying out proper and efficient measures as often as necessary to reduce dust nuisance originating from the unloading and stockpiling operations. The availability of water at the Queen Creek Landfill is limited. Contractor should anticipate providing an independent water source for dust control.

The Contractor shall provide traffic control on Riggs Road for trucks entering and leaving the stockpile area. Visibility entering and leaving the Queen Creek Landfill may be limited by the existence of perimeter screening berms. Any signs and traffic control devices required shall be provided by the Contractor. The Contractor shall prevent any unauthorized entrance into the Queen Creek Landfill through the Contractor's gate during the course of the Contractor's operations.

The Contractor shall be responsible for any dirt tracked onto Riggs Road by trucks hauling to and from the stockpile area. Riggs Road shall be washed down on a periodic basis to remove accumulated dirt.

Access improvements to the stockpile area from Riggs Road shall be made by the Contractor, if necessary. Full compensation for any and all access improvements required shall be considered as included in the contract price. The Contractor shall also be responsible for the repair/replacement of the perimeter fencing at the completion of the contract.

Existing landfill improvements include both landfill gas probes and groundwater monitoring wells. The Contractor shall be responsible for the repair and replacement of any existing facilities and improvements damaged by the Contractor's equipment or personnel during the term of the contract.

The Queen Creek Landfill's existing facilities shall not be available to the Contractor. The Contractor shall provide and maintain any sanitary facilities necessary which shall be located as directed by the County inspector. Facilities supplied by the Contractor shall be in compliance with all applicable regulations and laws. Fueling of the Contractor's equipment at the Queen Creek Landfill shall be

accomplished by a mobile service truck. The Landfill's existing diesel fuel tank is not available to the Contractor.

**215.4 Fill and Backfill - Section 215.4 shall be revised to add the following:**

At the time of compaction, the moisture content of the material to be used in fill areas shall be such that the specified compaction will be obtained and the fill will be firm and unyielding. Material containing excessive moisture shall not be compacted until the material is dry enough to obtain the required compaction. Compensation for additional work involved in drying fill material to the required moisture content shall be considered as included in the contract price for "Earthwork for Open Channels" and no additional compensation will be allowed.

**215.7 Measurement - Section 215.7 shall be revised to add the following:**

Earthwork for channel excavation shall be measured by the cubic yard and shall be calculated to the finished lines of the channel. Over-excavation for grouted rip rap, sill walls, crest walls, wing walls, drop structures or any other items will not be measured or paid for and shall be considered incidental to the construction of that item.

**215.8 Payment - Section 215.8 shall be revised to add the following:**

Earthwork for open channels will be measured to the neat lines of the compacted, finished channel surface by the cubic yard as listed in Bid Item 215-1, or in Alternate Bid Item 215-2.

Payment for Bid Item 215-1 will be made for the cubic yards calculated as described above, and shall include clearing, stripping, excavation, fill, backfill, compaction, grading, haul, removal and disposal of excess excavated material, all costs of labor and all other work not specifically covered that is incidental.

Payment for Bid Item 215-2 shall be in addition to 215-1 and shall only be for the additional cost of utilizing Queen Creek Landfill as a mandatory spoil site for excess excavated material. Payment will be made on a lump sum basis and shall include clearing and grubbing at the spoil site, hauling, grading, traffic control, dust control, compaction, watering, and all other items considered incidental to the completion of this alternate item.

No penalty shall be incurred by the District for not awarding this Alternate.

**Section 220 - Rip rap Construction**

Rip rap construction shall conform to Section 220 of the MAG Uniform Standard Specifications Except as modified herein by adding the following:

**220.1 - Description**

The construction of grouted rip rap shall consist of furnishing and placing stone and grout as shown on the plans and specified in the special provisions. Sacked concrete rip rap shall not be allowed.

Grouted rip rap is specified as for downdrains, Type I, Type II or Type III as shown on the plans and specified here and in Section 703.

**220.2 - Materials**

Concrete for all grouted rip rap shall be an approved batch per MAG Standard Specifications and shall develop a minimum 2500 psi compressive strength within 28 days.

**220.4 - Plain Rip rap**

The construction of plain rip rap shall consist of furnishing and placing the stones as shown in the plans and as specified in the special provisions - Table 703-1.

**220.5 - Grouted Rip rap**

The appearance of the grouted rip rap is important for this project. The grout shall be colored desert tan. The contractor shall submit a color for the grout for review and approval by the District. The grout shall fully penetrate the entire depth of the rip rap. The finished surface shall have no more than 4 inches of stone protruding above the grout. However, in areas where the grouted rip rap is to provide a smooth driving surface no more than 2 inches of stone shall protrude above the grout.

Excavate for placement of grouted rip rap as indicated. Placement methods will minimize disturbance of the subgrade. Place stones in position following the details. Wash the stones free of fines or soil which would affect the grout bond. Placement of grouted rip rap through water will not be permitted. The concrete grout shall be placed by injection methods by pumping under low pressure, positive displacement methods, through a 2 inch maximum diameter hose to ensure complete penetration of the grout into the stone layer.

The operator shall be able to stop the flow of grout and will place grout in the voids and not on the surface of the stone. Clean and wash any spillage before the grout sets. A "pencil" vibrator will be used to make sure all voids are filled between and under rock. The intent is to fill all voids from the subgrade level through the stone layer. In all cases, grout must penetrate to subgrade. The pencil vibrator may be used to smooth the appearance of the surface.

The stone for rip rap shall have a size as specified in Section 703 of these Special Provisions. When a construction note does not specify the type of grouted rip rap the contractor shall use Type I stone. Grouted rip rap shall have a minimum thickness as listed in Table 220-1 when measured perpendicular to the surface on which it is placed. Grouted rip rap shall be placed in a single layer.

Table 220-1

Rip Rap Type	Minimum Thickness
Type I	1'-4"
Type II	1'-6"
Type III	2'-0"

The Contractor shall provide a ten foot (10') by ten foot (10') square sample of grouted rip rap for inspection and approval by the District, a minimum of two (2) weeks before beginning placement of the grouted rip rap. The Contractor shall use Type II or Type III stone for the sample and shall demonstrate the techniques used to achieve full penetration grouting. The Contractor shall also submit a mix design for the grout indicating the type of color used and the quantity. The grout shall have a slump of no less than 7 inches and no more than 9 inches and shall contain a plasticizer.

After completion of any area of grouted rip rap, no workman or other load shall be permitted on the grouted rip rap for a period of 24 hours. Vehicles shall be kept off of the grouted rip rap for a period of 7 days after the grout has been placed. The grouted surface shall be protected from injurious action of the sun; shall be protected from rain, flowing water, and mechanical injury; and shall be moist cured or membrane cured at the Contractor's option. The grout shall be cured for a period of 7 days following placement. Grouted rip rap damaged before the project has been completed shall be removed and replaced at the direction of the Engineer.

**220.7 Measurement - Section 220.7 shall be revised to add the following:**

Grouted rip rap shall be measured by the square yard of the finished exposed surface as shown on the plans. Plain rip rap shall be measured by the square yard in place. The measurement shall be to the neat line as delineated on the plans to the nearest square yard and shall not include toe down areas.

**220.8 Payment - Section 220.8 shall be revised to add the following:**

Payment for grouted rip rap, and plain rip rap shall be by the square yard in place; within the limits of dimensions shown on the plans for bid items 220-1, 220-2, 220-3, 220-4, and 220-5. Payment shall include labor, preparation of ground surfaces, excavation, rip rap, grout, color, curing, replacement of damaged areas, samples provided for the Engineer's approval and all other miscellaneous items required for grouted rip rap construction.

**Section 225 - Watering**

In addition to the requirements of the Standard Specifications:

**225.1 Description - Replace Section 225.1 of the Standard Specifications with the following:**

The work performed under this contract shall include applying all water required for the control of dust as considered necessary in the execution of the work, including excavation, and on roads used to haul materials, for the safety and convenience of the traveling public, for the reduction of the dust nuisance to adjacent property, and as may be directed by the Engineer.

The Contractor shall obtain the necessary permits required under the County Air Pollution Statutes. It shall be the responsibility of the Contractor to keep the construction site moistened to prevent pollution of air, water and adjacent property.

**225.3 Construction Equipment - Section 225.3 shall be revised to add the following:**

The use of pressure pumps and spray bars on all sprinkling equipment used for the application of water will be required. The use of gravity flow spray bars and splash plates will not be permitted.

When it is required that chemical additives be mixed with the water for the suppression of dust, the cost of such chemical additives and the cost of adding them to the water will be paid for as extra work in accordance with the provisions of Subsection 109.5.

**225.5 Payment:**

There is no pay item for watering. This item is incidental to Item 215-1 Earthwork for Open Channels.

**Section 310 - Untreated Base**

Replace Section 310 of the Standard Specifications with the following:

**310.1 Description:**

Aggregate base course, also referred to as ABC, shall be placed in a 4-inch layer for the maintenance roads and turn around areas, where shown on the design plans.

**310.2 Materials:**

Materials for use as ABC shall be in accordance with Section 702 - Base Materials of the Standard Specifications, Table 702.

**310.3 Placement:**

The ABC may be placed and compacted in a single layer. After distributing, the base material shall first be watered and then immediately bladed to a uniform layer that will net, after rolling, the required thickness. If the materials deposited are not uniformly blended together, the blading operation shall be continued to such extent as may be necessary to eliminate segregation. The quantity of water applied shall be that amount which will assure proper compaction resulting in a relative density of not less than 100 percent as determined under Section 301 of the Standard Specifications. Care shall be exercised in connection with watering operations to avoid wetting the subgrade or any lower base course to detrimental extent.

Upon completion, the base surface shall be true, even and uniform, conforming to the grade and cross-section shown on the design plans.

ABC may vary not more than ½ inch above or below required grade and cross-section.

**310.4 Measurement:**

Quantities of ABC shown on the design plans are measured by the cubic yard, based upon the actual dimensions shown. No allowance is made for spalling or waste beyond those limits.

### **310.5 Payment:**

Payment shall be by the cubic yard in place, to the dimensions shown on the design plans for Item 310-1 of the Bid Schedule. Such payment shall be compensation in full for materials, transportation, miscellaneous earthwork, labor, equipment, placement, watering, and roller compaction.

### **Section 336 - Pavement Matching and Surfacing Replacement**

In addition to the requirements of the Standard Specifications:

#### **336.2.4 Permanent Pavement Replacement - Section 336.2.4 shall be revised to add the following:**

Pavement shall be Type D½ per Table 710 in Section 710. Aggregate base course shall be per Table 702, Aggregate Base, in Section 702. Pavement removed for construction shall be replaced in accordance with MAG Standard Detail 200, Type D and MAG Standard Detail 201, Type B. Pavement replacement shall include a ten-inch (10") layer of aggregate base course compacted to 100 percent of the maximum density under four inches (4") of asphalt concrete. Placement and compaction of the asphalt concrete pavement will be per MAG Section 321.5.4, Asphalt Base and Surface Course.

#### **336.4 Measurement - Delete Section 336.4 and replace with the following:**

No separate measurement shall be made for pavement matching and surfacing replacement.

#### **336.5 Payment - Delete Section 336.5 and replace with the following:**

No separate payment shall be made for pavement matching and surfacing replacement; the cost thereof, shall be included in the price bid for the construction for such work that pavement matching and surfacing replacement is incidental or appurtenant.

### **Section 401 - Traffic Control**

In addition to the requirements of the Standard Specifications:

#### **401.1 Description - Section 401.1 shall be revised to add the following:**

Separate traffic control plans will be required for Power Road, Germann Road, and Sossaman Road.

Approval of the traffic control plan for Power Road must be received from the City of Gilbert and the Flood Control District. Approval of the traffic control plan for Sossaman Road must be received from the City of Mesa and the Flood Control District. Approval of the traffic control plan for Germann Road must be obtained from the Maricopa County Dept. of Transportation and the Flood Control District.

No separate measurement or payment will be made for traffic control. This item shall be considered incidental to Items 505-1 and 505-2.

## **Section 415 - Flexible Metal Guardrail**

In addition to the requirements of the Standard Specifications:

### **415.1 Description - Section 415.1 shall be revised to add the following:**

Flexible metal guardrail shall be installed in accordance with Maricopa County Department of Transportation Standard Details 2037, 2039, 2040, 2041 and 2043 as shown on the plan drawings and details.

Measurement and payment will be per linear foot per the Standard Specifications.

## **Section 420 - Chain Link Fences**

**General:** Construction of chain link gates shall conform to MAG 420.3.2. Gates shall be 4' 6" high.

### **420.4 - Measurement**

Chain link gates shall be measured by "each".

### **420.5 - Payment**

Payment for chain link fence gates shall be made at the contract bid price for each for Bid Item 420-2. Said price shall include all labor, materials, equipment, and tools to accomplish the work in accordance with the plans and specifications.

## **Section 421 - Barbless Wire Fence**

### **Add Section 421 - Barbless Wire Fence to the Standard Specifications.**

**421.1 Description:** The work under this section shall consist of furnishing all materials and constructing 4-strand barbless wire fence in accordance with the details shown on the plans. Fences shall be as shown on the plans and shall be constructed in accordance with the requirements of these specifications.

Barbless wire fence shall be built in accordance with the plan details.

### **421.2 Materials:**

**General:** All fencing material will be sampled and tested in accordance with methods used by ADOT and will require written approval by the District prior to being incorporated into the work.

**Posts and Braces:** Line posts shall conform to the requirements of ASTM A-702. Lengths of posts shall be 6'-6". The type of posts furnished shall be tee posts.

End, corner and pull posts and braces shall conform to the requirements of ASTM A-702, for uprights and braces.

Posts and braces shall be painted Rugby Tan (Griggs Paint, Color Number M-44-3) or equal.

**Concrete:** Concrete for post footings shall be Class B conforming to the requirements of Section 725.

**Barbless Fencing Wire:** Barbless wire shall be 12-1/2 gauge twisted steel wire and shall be either zinc-coated or aluminum-coated. Zinc-coated steel wire shall conform to the requirements of ASTM A-121, Class 1 coating. Aluminum-coated steel wire shall conform to the requirements of ASTM A-585, Type I, Class 1 coating.

**Stays and Fasteners:** Stays shall be 9-1/2 gauge twisted wire designed for screw-on type installation. Stays shall be zinc-coated steel of good commercial quality. The minimum weight of zinc-coating shall be 0.3 ounce per square foot of uncoated wire surface.

Tie wires, hog rings and post clips shall be zinc-coated steel of good commercial quality and shall be of the same gauge as the fence fabric being fastened.

The minimum weight of zinc-coating shall be 0.3 ounce per square foot of uncoated wire surface.

#### **421.3 Construction Requirements:**

**General:** In areas where there is livestock, the Contractor shall take all measures necessary to restrict the livestock to the land where it is being kept. The Contractor shall furnish all materials and construct temporary fence, gates and cattle guards as may be necessary to restrict the livestock as specified.

Existing fences that are to remain in place and which have been damaged by the Contractor's operations shall be replaced or restored by the Contractor at his expense in accordance with the provisions of Subsection 107.9 of the Standard Specifications.

The Contractor shall clear the fence lines of all earth, trees, brush and other obstructions which interfere with the proper construction of the fences, unless the District orders certain trees to remain in place. Clearing the fence line shall be within the right-of-way. Clearing the fence line is included in Section 201 work.

Fence shall be constructed on the right-of-way or as shown on the plans.

**Setting Fence:** Fence posts shall be spaced at the intervals and set to the depths shown on ADOT Standard Drawing C-12.10 as modified on the plans.

In determining the post spacing, measurements shall be made parallel to the ground slope, and all posts shall be placed in a vertical position, except in unusual locations where the District may direct that the posts be set perpendicular to the ground surface.

Line posts may be driven into undisturbed earth provided driving does not injure the posts. All voids around the post shall be backfilled and the material thoroughly tamped.

End, corner, and pull posts and braces shall be set in concrete footings crowned at the top to shed water.

Any high points which interfere with the placing of wire fence fabric shall be excavated to provide the clearance shown on the plans.

Changes in the horizontal alignment of the fence line where the angle of deflection is 15 degrees or more shall be considered as corners and a corner post assembly shall be installed. Changes in fence alignment where the angle of deflection is less than 15 degrees but more than five degrees shall be considered as alignment angles and diagonal tension wire shall be installed. The diagonal tension wires shall consist of two twisted steel wires and shall be attached to the adjacent line posts.

Where the fence line intersects a cross fence, the wires of the existing cross fence shall connect to an end post assembly as shown on the plans.

Connecting fence assemblies with braces for every direction of strain shall be placed at the junction with new fences.

Intermediate post assemblies shall be installed at not more than 650-foot intervals between other braced posts. After post assemblies have been placed, the barbless wire shall be pulled taut to the satisfaction of the District, and each longitudinal wire shall be cut and securely fastened to the braced post with devices customarily used for the purpose. Barbless wire shall not be carried past a post assembly, but shall be cut and fastened to the post independently of the adjacent spans. A maximum of two splices on barbless wire will be permitted between post assemblies, but not on the same wire. No splice shall be placed closer than 100 feet to any post assembly.

Where fence lines are interrupted by openings for gates and cattle guards, intermediate post assemblies shall be installed at both sides of the opening at a distance of one panel width from the end of the opening.

After the tensioning of the barbless wire between two post assemblies, all longitudinal wires shall be attached to each intervening line post at the height and spacing as shown on the plans. The distance from the bottom wire to the ground may vary at any one point from that shown on the plans four inches plus or minus for barbless wire fence and game fence. Where abrupt changes occur in the fence line grade, intermediate line posts may be required to maintain proper distances between the bottom wire and the ground.

Spacing of the twisted vertical wire stays shall be as shown on the ADOT Standard Drawing C-12.10. The vertical wire stays shall be woven into every horizontal wire.

At all grade depressions where stresses tend to pull the posts from the ground, the affected fence posts shall be anchored in concrete or the fence wires shall be weighted with concrete sag weights. The volume of concrete required to anchor the posts shall be not less than one cubic foot. Fence sag weights shall weigh not less than 100 pounds and shall be made with a wire loop hanger embedded in

the concrete. A double strand of wire shall be attached to each horizontal line of barbless wire and tied to the wire loop hanger of the sag weight.

**Flood Gates:** Flood gates shall be constructed at the locations specified on the project plans or where designated by the District and in accordance with the details shown on the project plans. If the length of the flood gate is such that the District determines that line posts are needed, the posts shall be placed as necessary and driven to the depth required to keep the flood gate upright.

Flood gates shall be constructed to the same requirements specified for barbless wire fence construction, except that the concrete sag weights shall weigh 35 pounds.

#### **421.4 - Method of Measurement:**

Wire fence will be measured by the linear foot. Measurement will be made along the top of the completed fence from outside to outside of end posts, excluding the widths of gate openings.

Flood gates will be measured by the linear foot. Measurement will be made on the fence line along the top wire from gate post to gate post as shown on the details, but exclusive of any gates.

#### **421.5 - Basis of Payment:**

The accepted quantities of wire fence and flood gates, measured as provided above, will be paid for at the contract unit price per linear foot as designated in the bidding schedule, complete in place.

No payment will be made for furnishing materials and constructing temporary fence, gates and cattle guards as may be necessary to restrict livestock or provide security.

### **Section 430 - Landscaping and Planting**

Add Gravel Mulch to the Standard Specifications.

#### **Gravel Mulch:**

Gravel mulch will be graded material and shall be free of chemicals harmful to plant growth, debris, fines, and soil particles. Gravel mulch will consist of a combination of crushed and rounded material with a minimum of 50 percent by weight crushed material. Crushed rock shall have at least two (2) fractured faces. A sample must be approved by the Engineer prior to delivery to site.

The percentage wear of the material to be used as gravel mulch will be determined by the test procedure of ASTM Standard C 131, Grading B. The percentage of wear of the material shall not exceed 40 after 500 revolutions. The aggregates shall be well-graded when tested in accordance with ASTM C 136 and C 117. The percentage composition by weight shall be with the following limits:

<u>Size of Opening</u>	<u>Percentage Passing Sieve</u>
2 inches	90 - 100%
3/4 inches	0 - 15
No. 4	0 - 5

Gravel mulch color shall be natural desert. Color shall be approved by the Engineer prior to delivery to site.

**Gravel Installation:**

The work shall consist of the application of gravel mulch over the slope as shown on the drawings. Gravel from designated sources shall be excavated, selected, handled and processed as necessary to meet the quality and grading requirements specified.

Hand placing of gravel cover shall be required to the extent necessary to prevent damage to the permanent works. The thickness of the gravel mulch shall be a minimum of two inches (2"). All rills shall be filled and compacted before the slopes are roughened and covered with the gravel mulch.

Measurements for the quantities of gravel mulch will be those of the completed bid item, in place, within the limits of dimensions shown on the plans. The Engineer will compute the quantities of gravel mulch by a method which in his opinion is best suited to obtain an accurate determination.

Payment for Gravel Mulch shall be paid for at the contract bid price per square yard for Bid Item 430-1 in place as stipulated in the proposal. Such price shall include all labor, materials, equipment, tools and accomplishing all work in conformity with the plans and specifications.

**Section 505 - Concrete Structures**

In addition to the requirements of the Standard Specifications:

**505.1 Description:**

The work under this section shall include constructing concrete box culverts, headwalls and wingwalls, drop structures, channel lining, catch basin, and other concrete structures as shown on the plans and in conformance with the requirements of the Standard Specifications.

One 3 barrel 6'X6', concrete box culvert is a part of the design plans. The structure is based upon standard details prepared by the Arizona Department of Transportation (ADOT). For construction specifications and procedures reference shall be made to the ADOT Highways Division, "Standard Specifications for Road and Bridge Construction," Edition of 1990. For concrete box culvert construction only, Section 601 - "Concrete Structures", Section 605 - "Steel Reinforcement", and Section 1011 - "Joint Materials" of the above referenced specifications.

Concrete for the box culvert and culvert wing walls shall be "Class AA" per Section 725 of the Standard Specifications; all other concrete including channel lining shall be "Class A."

Channel lining for the irrigation ditch may be completed using formed concrete or shotcrete. The Contractor shall submit a mix design and construction plan for any shotcrete work for approval before beginning any shotcrete work.

The Contractor shall construct a catch basin at the station, size, dimensions and orientation as shown on the plans.

#### **505.2 Subgrade for Concrete Structures:**

Refer to Section 206 of these Special Provisions for structure excavation and backfill.

#### **505.3 Forms:**

Forms shall be plywood sheathing or other suitable material and shall be true to line and grade and sufficiently rigid to resist deflection during placement of the concrete.

#### **505.5.4 Reinforcing Steel - Add this section to the Standard Specifications:**

Reinforcing steel shall conform to the standard sizes shown on the plans. All reinforcing steel shall be grade 60. Where dowels are placed into existing structures, Epoxy dowel in hole with an approved epoxy adhesive. Epoxy anchorage shall develop a tensile pullout strength of 13 Kips. The Contractor shall provide shop drawings and lists showing the bending of reinforcement bars to the Engineer for approval for each different drop structure size. Such approval shall not relieve the Contractor of responsibility for the correctness of such drawings and lists. Reinforcing steel shall be incidental to the concrete, bid items 505-1 through 505-5

#### **505.9 Finishing Concrete:**

Surfaces of existing concrete against which new concrete is to be placed shall be thoroughly cleaned and moistened immediately prior to placing the new concrete. Construction joints shall be constructed as shown on the plans. Finish of green concrete shall be Class I finish. Any holes deeper than 3/8" or surface imperfections larger than 1/2" X 1/2" shall be cleaned, moistened and patched with mortar.

#### **505.10 Payment - Replace Section 505.10 with the following:**

Concrete structures shall be measured and paid for by the cubic yard of concrete or shotcrete, the completed structure (each), or the linear foot as listed in the bid document. Payment under these items shall include all costs associated with the structures including, but not limited to, traffic control, excavation, labor, materials, forms, curing, cleanup, backfill, backfilling, compaction, fittings, grates, concrete, reinforcing steel and other incidental items.

Payment for the items specified in this section will be made under:

Bid Item 505-1 - Structural Concrete (for Box Culverts) - C.Y.

Bid Item 505-2 - Structural Concrete (for Drop Structures, Retaining Walls and Channel Lining) - C.Y..

Bid Item 505-3 - Replace Irrigation Ditches (Concrete) - L.F.

Bid Item 505-4 - Headwalls and wingwall - EA.

Bid Item 505-5 - Catch Basin - EA.

### **Section 618 - Storm Drain Construction**

**618.6 Payment** - Section 618.6 shall be revised to add the following to the list of items included in the unit price for Bid Item 618-1:

Pavement removal and replacement which is necessary for the installation of the pipe shall be included in the unit price bid for the pipe.

Payment for the 36" RCP shall be at the contract unit price per lineal foot for Bid Item 618-1. Said price shall include all labor, material, equipment, and tools to accomplish the work in conformance with the plans and specifications.

### **Section 703 - Rip rap**

Rip rap shall conform to Section 703 of the MAG Uniform Standard Specifications except as modified herein.

#### **703.1 - Stone**

In addition to the requirements of section 703.1, stone for rip rap shall have a minimum apparent specific gravity of 2.4 per ASTM C-127.

Waste concrete shall not be used for rip rap.

#### **703.2 - Size of Stone**

Section 703.2 of the MAG Uniform Standard Specifications is replaced with the following requirements, which shall apply for grouted rip rap Types I, II, III and Down Drain.

Table 703-1

**Design Gradation for Specified Classes of Grouted Rip Rap**

	Percent Passing	Down Drain	Type		
			I	II	III
D Max	90 - 85	12"	16"	18"	24"
	85 - 65	9"	12"	14"	18"
D Min	0	6"	8"	9"	12"

**Design Gradation for Specified Classes of Plain Rip Rap**

	Percent Passing	Plain Rip Rap
D Max	95 - 85	24"
	85 - 70	18"
D 50	50 - 30	12"
	15 - 5	8"
D Min	5 - 0	4"

9/29  
7-37-92

QUEEN CREEK LANDFILL  
26402 B SOUTH HAWES RD.  
QUEEN CREEK, ARIZONA

- PROPOSED FINAL GRADE - MINOR CONTOURS
- EXISTING GRADES
- PERIMETER ROAD

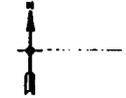
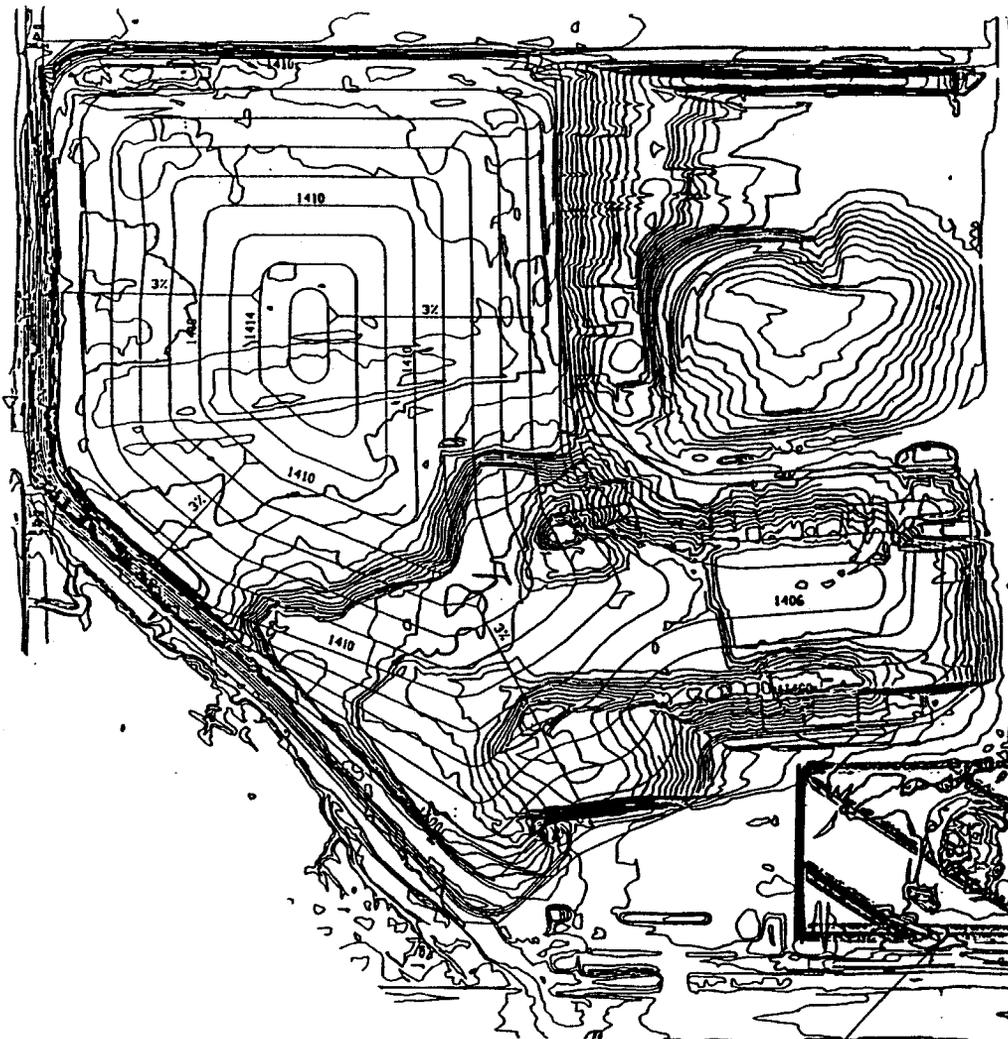


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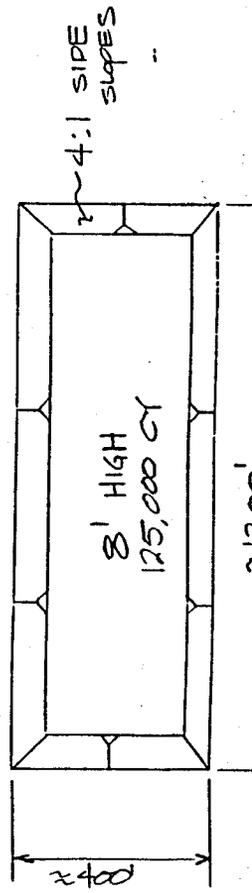
RIGGS ROAD

CONCEPTUAL FINAL GRADES

ACCESS TO RIGGS ROAD (TRUCKS ONLY)

CORNOYER-HEDRICK, INC.

ALTERNATE BID ITEM



**MARICOPA COUNTY INFRASTRUCTURE CONTRACTS & M/WBE PROGRAMS OFFICE**

**D/M/WBE Certified Firms Sorted By Business Typ**

9/3/96

<b>BUS TYPE</b>	<b>NAME</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>STATE</b>	<b>ZIP</b>	<b>PHONE</b>	<b>FAX</b>	<b>CONTACT</b>	<b>D/M/WBE</b>
<b>A/C &amp; Heating Units</b>									
<b>Plumbing</b>									
	All American Contract Service, Inc.	11201 W. Alabama Ave.	Youngtown	AZ	85363	(602) 876-9592	(602) 876-9443	Bruce A. Churruca	D/MBE
<b>Access Control</b>									
<b>CCTV Sales</b>									
	ASSI Security Of Arizona	2401 W. Behrend Dr., #87-89	Phoenix	AZ	85027	(602) 581-0101	(602) 581-9726	Michael K. Liebeck	D/MBE
<b>Accounting Services</b>									
<b>Special Consulting Projects, Auditing</b>									
	Connie A. Sauvageau, CPA	4001 N. 3rd Street	Phoenix	AZ	85012	(602) 230-7072	(602) 230-2655	Connie A. Sauvageau	D/WBE
	Florentino J. Gonzales, CPA, P.C.	1805 N. Scottsdale Rd., #3	Tempe	AZ	85281	(602) 941-1950	(602) 941-4350	Florentino J. Gonzales	D/MBE
	Nancy M. Guy, CPA	5508 N. Quail Run Rd.	Paradise Valley	AZ	85253-5954	(602) 946-6386	(602) 970-1880	Nancy M Guy, CPA	D/WBE
	Rachel L. Hardy, CPA, Ltd	7150 E. Camelback Rd., #300	Scottsdale	AZ	85251	(602) 991-0023	(602) 991-0023	Rachel L. Hardey	D/WBE
<b>Acoustical Ceilings Installation</b>									
<b>Ceiling Grid &amp; Tile Repair</b>									
	Premier Acoustics	15416 E. Ray Rd.	Gilbert	AZ	85296	(602) 814-0766	(602) 812-9265	Isaiah A. Shamsiddeen	D/MBE
<b>Actuarial &amp; Employee Benefit Consulting</b>									
<b>Pension Plan Administration</b>									
	Pension Perspectives, Inc.	3101 N. Central Ave., #830	Phoenix	AZ	85012	(602) 234-3254	(602) 234-3256	Carol Lloyd	D/M/WB
<b>Advertising &amp; Promotions</b>									
	Media Buying Services, Inc.	4545 E. Shea Blvd. #162	Phoenix	AZ	85028	(602) 996-2232	(602) 996-5658	Kathy Munson	D/WBE
	Sunrise Promotions	5448 E. Woodridge	Scottsdale	AZ	85254	(602) 493-0611	(602) 404-8236	Ruth Madison	D/WBE
<b>Aerial Surveying</b>									
<b>Aerial Mapping</b>									
	Aerial Data Service, Inc.	10822 E. Newton Pl.	Tulsa	OK	74116-5623	(918) 437-8453	(918) 437-8534	Regina M. Carter	D/WBE
<b>Aggregate</b>									
<b>Landscape Materials</b>									

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Maricopa County Minority/Women Business Office  
2901 W. Durango Street Phoenix, AZ 86009  
Carlos Avelar, D/W/MBE Certification Contract Compliance Manager  
(602) 506-8656

BUS TYPE	NAME	ADDRESS	CITY	STATE	ZIP	PHONE	FAX	CONTACT	D/M/WBE
	Fort McDowell Sand & Gravel	P.O. Box 17150	Fountain Hills	AZ	85269	(602) 837-2358	(602) 837-1239	John C. Kirk	D/MBE
	<b>Air Freight Forwarding</b>								
	ABRExpress, Inc.	1247 S. 27th St.	Phoenix	AZ	85034	(602) 220-9192	(602) 220-9505	Betty Ward	D/WBE
	<b>Appointment Reminder Service</b>								
	Appointment Verifier Service	110 Adams Street	Jackson	TN	38301-7268	(901) 422-1717	(304) 697-0304	Dianne G. Pelly	D/M/WB
	<b>Archaeological Testing</b>								
	<b>Biological Consulting</b>								
	Cultural & Environmental Systems, Inc.	P.O. Box 2324	Tucson	AZ	85702-2324	(520) 622-2782	(520) 622-7539	Mary Lou Heuett	D/WBE
	<b>Archaeology</b>								
	<b>Archaeological Testing</b>								
	Archaeological Consulting Services, Lt	424 W. Broadway	Tempe	AZ	85281	(602) 894-5477	(602) 894-5478	Margerie Green, Ph.D.	D/WBE
	Aztlan Archaeology, Inc.	P.O. Box 44068	Tucson	AZ	85733-4068	(602) 620-1480	(602) 620-1432	Dr. Laurie V. Slawson	D/WBE
	Kinlani Archaeology, Ltd.	P.O. Box 67	Flagstaff	AZ	86002	(520) 526-9797	(520) 527-9797	Deborah S. Dosh	D/WBE
	<b>Architectural Interiors</b>								
	McCarthy Nordburg, Ltd.	3333 E. Camelback Rd. #180	Phoenix	AZ	85018	(602) 955-4499	(602) 955-4599	Judith A. Nordburg	D/WBE
	<b>Architectural Millwork</b>								
	<b>Finish Carpentry</b>								
	Lady Woodruff Cabinetry, Inc.	4812 S. 43rd Ave	Phoenix	AZ	85041	(602) 237-4224	(602) 237-4284	Pablo D. Garcia	D/MBE
	<b>Architectural Services</b>								
	<b>Architectural Interiors</b>								
	ADM Group, Inc.	400 E. Van Buren St., #555	Phoenix	AZ	85004-2285	(602) 253-5555	(602) 253-5595	Ben P. Barcon	D/MBE
	Chen Architects International	3101 W. Peoria Ave., #111	Phoenix	AZ	85029	(602) 789-9200	(602) 789-9299	Ming Chen	D/MBE
	Foreman Wenger Architects	426 N. 44th Street, #252	Phoenix	AZ	85008-6595	(602) 244-2475	(602) 244-2572	Lisa Foreman	D/WBE
	GJN Architects	7626 W. Maui Lane	Peoria	AZ	85381	(602) 486-4248	(602) 486-4248	Gary J. Nelson	D/MBE
	Robert Gomez Architect, A.I.A.	77 East Weldon Suite 289	Phoenix	AZ	85012	(602) 263-0329	(602) 274-6716	Robert Gomez	D/MBE
	Salazar Associates Architects Ltd.	4450 N. 12th Street, #234	Phoenix	AZ	85014	(602) 274-0846	(602) 274-0894	Luis A. Salazar	D/MBE
	The Architecture Company	2625 N. Silverbell Rd.	Tucson	AZ	85745	(520) 622-4506	(520) 620-6097	Richard Fe Tom	D/MBE
	Vehr/Webb Studio	4118 E. Vernon Ave.	Phoenix	AZ	85008	(602) 957-0653	(602) 957-1631	Maret Webb	D/WBE

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	Wyatt/Rhodes, Inc. Architecture Planni	3820 N. 3rd Street	Phoenix	AZ	85012	(602) 222-8815	(602) 222-9276	Burke B. Wyatt	D/MBE
	Zamir Hasan & Associates	1969 E. Broadway, #2A	Tempe	AZ	85282	(602) 967-1766	(602) 967-1766	Zamir Hasan	D/MBE
<b>Architectural Signs</b>									
	Tenco Architectural Signage	1702 W. Camelback Rd., #284	Phoenix	AZ	85015	(602) 277-4713	(602) 277-4713	Carol S. Thompson	D/WBE
<b>Art Appraiser And Consultant</b>									
	Corinne Cain, Ltd.	326 W. Harmont	Phoenix	AZ	85021-5643	(602) 279-2167	(602) 906-0677	Corinne Cain	D/WBE
<b>Arts/Signs</b>									
	Arts & Letters, Inc.	7202 W. Yucca	Peoria	AZ	85245	(602) 486-8073	(602) 486-8073	Lesley H. Peltola	D/WBE
<b>Asphalt Paving &amp; Grading</b>									
<b>General Construction</b>									
	A & S Paving, Inc.	527 W. 29th Street	Tucson	AZ	85713	(520) 622-6603	(520) 884-4904	Salvador Pedregon	D/MBE
<b>Asphalt/Oil Application &amp; Transport</b>									
<b>Tack, Chip Seal &amp; Fog Seal</b>									
	Cactus Transport, Inc.	P.O. Box 11605	Phoenix	AZ	85061-1605	(602) 242-9983	(602) 242-9984	Jacqueline "J.R." Domeny	D/WBE
	Rainbow Refining Company	P.O. Box 791	Cornville	AZ	86325	(520) 634-3416	(520) 634-4316	Rhonda L. Anderson	D/WBE
<b>Assets &amp; Property Management</b>									
<b>Loan Financial Services</b>									
	Southwest Harvard Group Asset Mana	P.O. Box 1956	Phoenix	AZ	85001	(602) 263-0500	(602) 263-0951	Gary L. Trujillo	D/MBE
<b>Auction &amp; Liquidation Services</b>									
	Auction Systems Company	888 E. Clinton, #1112	Phoenix	AZ	85020	(602) 861-5841	(602) 861-5841	Deborah Ann Weidenhamer	D/WBE
<b>Audio/Visual Retail Sales</b>									
	Entrepreneur Ventures	P.O. Box 66955	Phoenix	AZ	85082-6955	(602) 276-5516		Roderic L. Webb	D/MBE
<b>Auto &amp; Truck Upholstery</b>									
	Lopez Auto Tops	5410 N. 27th Ave.	Phoenix	AZ	85017	(602) 242-4096		Frank O. Lopez	D/MBE

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<b>Auto Body Repair &amp; Refinishing</b>									
	Tom's Auto Body, Inc.	1327 E. Buckeye Rd	Phoenix	AZ	85034-4119	(602) 252-4134	(602) 256-0693	Tom Ocano	D/MBE
<b>Automobile Towing And Recovery</b>									
<b>Manufacture of Tow Trucks</b>									
	Arizona's Professional Towing, Inc.	2901 W. Weldon Ave.	Phoenix	AZ	85017	(602) 257-1665	(602) 274-0679	Lynda A. Borhauer	D/WBE
<b>Aviation Consulting</b>									
<b>Facility Planning</b>									
	Unison Consulting Group, Inc.	409 West Huron, #400	Chicago	IL	60610-3401	(312) 988-3360	(312) 988-3370	Anthony Q. Drake	D/MBE
<b>Broker of Structural Steel Supplier</b>									
	Faben Industries, Inc.	2112 West Davis	Conroe	TX	77304	(409) 756-8383	(409) 756-8449	Jeanne M. Treybig	D/WBE
<b>Building &amp; Masonry Supplies</b>									
	Preach Building Supply	1601 W. Hatcher	Phoenix	AZ	85021	(602) 944-4594	(602) 997-9644	Phillip L. Preach	D/MBE
<b>Business Machines Repair &amp; Supplies.</b>									
	Escondido Typewriter Repair	4202 W. Camelback Rd., #2	Phoenix	AZ	85019	(602) 841-4691	(602) 841-4691	Paul E. Hernandez	D/MBE
<b>Chemical Engineering</b>									
<b>Environmental Engineering</b>									
	Gutierrez/Palmenberg	2922 W. Clarendon	Phoenix	AZ	85017	(602) 234-0696	(602) 234-0699	Gilbert Gutierrez	D/MBE
<b>Civil &amp; Environmental Engineering</b>									
<b>Land Surveying</b>									
	Aztec Engineering	4515 N. 16th St., #202	Phoenix	AZ	85016-5363	(602) 263-9640	(602) 263-9649	Hermant K. Patel, P.E.	D/MBE
<b>Civil &amp; Structural Engineering</b>									
<b>Construction Management</b>									
	AC & D Engineering Services, Inc.	1021 S. Brentwood Court	Chandler	AZ	85248-0903	(602) 786-6780	(602) 786-6780	Chandarani Dutt	D/MBE
	Morea-Hall Engineering, Inc.	1820 W. Maricopa Freeway	Phoenix	AZ	85007	(602) 258-4428	(602) 340-9053	Claudia Morea	D/WBE
<b>Civil Construction</b>									
<b>Commercial Building Construction</b>									

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	Nueva Construction	3333 W. Sunset Road	Tucson	AZ	85705	(602) 293-6693		Ruben Federico	D/MBE
<b>Civil Engineering</b>									
<b>Hydrology &amp; Surveying</b>									
	Bay City Engineers	4631 E. Acoma Dr.	Phoenix	AZ	85032-4897	(602) 788-5595		Ruth Franklin	D/WBE
	BKS Engineers, Inc.	4120 N. 20th St., #E	Phoenix	AZ	85016-6022	(602) 955-9301	(602) 955-8949	Bal K. Sanan, Ph.D.	D/MBE
	CK Engineering	5432 E. Woodridge Dr.	Scottsdale	AZ	85254-5864	(602) 482-5884	(602) 482-2885	Ogbonna Abarikwu, P.E.	D/MBE
	Collins/Pina Consulting Engineers, Inc.	3800 N. Central Ave., #200	Phoenix	AZ	85012	(602) 264-7505	(602) 264-0568	Jerry A. Collins	D/MBE
	Desert Land Engineering	4621 N. 16th St., #B214	Phoenix	AZ	85016	(602) 265-5320	(602) 265-1960	Rick Gutierrez	D/MBE
	Engineering Alliance	727 E. Bethany Home Rd., #C-10	Phoenix	AZ	85014	(602) 248-4203	(602) 248-4219	Jit S. Pegany	D/MBE
	Primatech, LLC	2929 N. 44th St., #228	Phoenix	AZ	85018	(602) 952-2828	(602) 952-0808	Shi-En Shiau	D/MBE
	Project Engineering Consultants, Ltd.	3130 N. 35th Ave., #1	Phoenix	AZ	85017	(602) 484-7691	(602) 484-7694	Larry Maldonado	D/MBE
	Steve Corrales Engineering Corp.	1008 W. St. Mary's Rd., Bldg. 1	Tucson	AZ	85745	(520) 622-2553	(520) 622-2553	Steven Corrales, Jr.	D/MBE
	Sundaram Engineering	833 West Portobello Ave.	Mesa	AZ	85210	(602) 839-3445	(602) 839-3445	Shan Sundaram	D/MBE
	SVR, Inc.	4636 E. Carmen	Phoenix	AZ	85044	(602) 893-8919	(602) 893-3991	Seetha V. Ramaiah	D/MBE
	Trinity Engineering Corp.	10348 E. Wood Dr.	Scottsdale	AZ	85260	(602) 614-0205	(602) 614-1421	Leopoldo E. Trinidad	D/MBE
	Wood, Patel & Associates, Inc.	1550 E. Missouri, #203	Phoenix	AZ	85014	(602) 234-1344	(602) 234-1322	Ashok C. Patel	D/MBE
<b>Civil Engineering Geotechnical</b>									
<b>Hazardous Waste Services</b>									
	Sota Environmental Technology Inc.	3625 N. 16th Street, Ste 102	Phoenix	AZ	85016	(602) 265-8554	(602) 265-8457	Gene Berkland	D/MBE
<b>Civil Engineering, Transportation</b>									
<b>Hydrology, Surveying &amp; Land Planning</b>									
	Urban Engineering, Inc.	877 S. Alvernon Way	Tucson	AZ	85711	(520) 318-3800	(520) 318-3808	Forrest L. Metz	D/MBE
<b>Cleaning Products Retail &amp; Consulting</b>									
	The Canales Group	P.O. Box 50563	Phoenix	AZ	85076-0563	(602) 496-0349	(602) 496-0349	Irene Canales Simonetti	D/M/WB
<b>Cleaning Supplies</b>									
	Dynamic Program Planning, Inc.	P.O. Box 8280	Phoenix	AZ	85066-8280	(602) 276-6550	(602) 243-1481	Thomas Wilson, III	D/MBE
<b>Cleaning/Degreasing Chemicals</b>									
	SOQ Environmental Technology	P.O. Box 28450	Tempe	AZ	85285-8450	(602) 966-2892	(602) 966-2912	Olabisi Carlton-Carew	D/MBE

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BUS TYPE	NAME	ADDRESS	CITY	STATE	ZIP	PHONE	FAX	CONTACT	D/M/WBE
<b>Clothing Retailer</b>									
	Cameo Fashions	P.O. Box 67363	Phoenix	AZ	85082-7363	(602) 840-0939		Shirley Cooke	D/M/WB
<b>Collection Agency/Full Service</b>									
	Financial Management Services, Inc.	P.O. Box 27482	Phoenix	AZ	85061	(602) 263-5533	(602) 263-8021	Diane Sandler	D/WBE
<b>Commercial Art</b>									
	Jo Haltermon, Design	1409 Mt. Zion Road	Union	KY	41091	(606) 384-3311	(606) 384-1210	Jocelyn Haltermon	D/WBE
<b>Commercial Construction</b>									
	Gateway Construction, Inc.	3930 E. Camelback Rd., #208	Phoenix	AZ	85018	(602) 955-4822	(602) 955-3881	Judith A. Pavsek	D/WBE
<b>Commercial Furnishings</b>									
<b>Interior Design</b>									
	Inspace, Inc.	3902 E. University, #1	Phoenix	AZ	85034	(602) 437-5087	(602) 437-5089	Sandy Lee Dolan	D/WBE
<b>Commercial Interior Design</b>									
<b>Furniture Sales</b>									
	The Design Team	4540 E. Camelback Rd.	Phoenix	AZ	85018	(602) 952-1710	(602) 952-2443	Desira Harkins	D/WBE
<b>Commercial Machine Embroidery</b>									
	Image Embroidery	13039 N. 34th Dr.	Phoenix	AZ	85029	(602) 866-3443	(602) 866-3443	Patricia L. Williams	D/WBE
<b>Commercial Printing Services</b>									
	COL Press, Inc.	2230 E. Magnolia Sreet	Phoenix	AZ	85034	(602) 244-0304	(602) 244-0623	Amicia O'Sullivan	D/WBE
<b>Communication Consulting Services</b>									
<b>Sales &amp; Service of Pagers, Cellular Phones &amp; Satellite Phones.</b>									
	Constant Communications	13843 N. Tatum Blvd., #5	Phoenix	AZ	85032	(602) 953-3111	(602) 953-1414	John Westley White	D/MBE
<b>Community Relations</b>									
<b>Transportation Planning Consulting</b>									
	ACW & Associates	4901 W. Harris Hawk Place	Tucson	AZ	85745	(520) 743-8866	(520) 743-8865	Anne C. Warner	D/WBE

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<b>Computer Consulting</b>									
	RB Balch & Associates, Inc.	22504 N. 61st Dr.	Glendale	AZ	85310	(602) 561-9366	(602) 561-0012	Rochelle Balch	D/WBE
<b>Computer Consulting &amp; Programming</b>									
	Mach 2 Systems, Inc.	5125 N. 16th St., #A-106	Phoenix	AZ	85016	(602) 266-7656	(602) 266-5808	Josette Van Stiphout	D/WBE
<b>Computer Education</b>									
<b>Computer Consulting</b>									
	Micro Professionals, Inc.	6991 E. Camelback Rd., #D-300	Scottsdale	AZ	85251	(602) 945-0992	(602) 994-3482	Nikki Capetz	D/WBE
<b>Computer Related Services &amp; Advertising</b>									
	Advantage Computer Solutions	13410 N. 41st Place	Phoenix	AZ	85032	(602) 996-0840	(602) 996-6811	Mary Janicki	D/M/WB
<b>Computer Sales &amp; Service</b>									
	Transource Computers	2033 W. North Lane, #18	Phoenix	AZ	85021	(602) 997-8101		Lee Ting	D/MBE
	Venus Technology	7901 E. Thomas Rd.	Scottsdale	AZ	85251	(602) 945-6353	(602) 994-3401	Meena Patel	D/M/WB
<b>Computer Sales &amp; Technical Support</b>									
<b>Voice &amp; Data Cabling</b>									
	JJ Crony & Associates	1635 W. University #125	Tempe	AZ	85281	(602) 894-6068	(602) 894-6017	Jerry Crony	D/WBE
<b>Computer Solutions/Bar Code Systems Integration</b>									
<b>Computer Systems Consulting</b>									
	Bar Code Systems Intergrators, Inc.	706 E. Bell Rd., #200	Phoenix	AZ	85022	(602) 788-4755	(602) 992-0910	Ernest D. Martinez, Jr.	D/MBE
<b>Computer Support Services, Eng., Arch</b>									
<b>Project Management Support Services</b>									
	Cole Financial Services, Inc.	65 Cadillac Square, #2215	Detroit	MI	48226	(313) 962-7055	(313) 962-7815	Patricia A. Cole	D/MBE
<b>Computer Systems Integration</b>									
	Realsoft Consulting, Inc.	3420 E. Shea Blvd., #109	Phoenix	AZ	85028	(602) 996-3722	(602) 494-4415	Yato Adeyemi	D/MBE
<b>Computer Training</b>									
<b>Word Processing &amp; Accounting</b>									

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	Competitive Edge Training, Inc.	P.O. Box 12716	Scottsdale	AZ	85267-2716	(602) 922-6857	(602) 922-6860	Catherine M. Peters	D/WBE
	Dual Connection	P.O. Box 5267	Scottsdale	AZ	85261-5267	(602) 404-1301	(602) 404-1301	Shelia Lilleston	D/WBE
<b>Concessions-Hawaiian Shaved Ice at Special Events</b>									
	Desert Ice Enterprises, Inc.	1661 W. Meseto Circle	Mesa	AZ	85202	(602) 491-3830	(602) 897-9137	David Schneider	D/MBE
<b>Concrete Barriers</b>									
<b>Temporary Impact Attenuators, Trucking</b>									
	Howe Precast	14135 E. Ray Rd.	Gilbert	AZ	85296	(602) 786-4293	(602) 786-1259	Michele Howe	D/WBE
<b>Concrete Construction</b>									
<b>Concrete Reinforcement</b>									
	3-D Development	P.O. Box 17	Chandler	AZ	85244	(602) 895-2160		David Davis	D/MBE
	Bess Construction, Inc.	2250 E. Kathleen	Phoenix	AZ	85022	(602) 482-0610	(602) 482-5480	Betty Elain Sweetland	D/WBE
	Byerly & Cosyleon, Inc.	1700 Wildhorse Rd.	Pueblo	CO	81007-1023	(719) 545-2585	(719) 543-1963	Bonifacio A. Cosyleon	D/MBE
	Express Concrete Construction	105 W. Buist	Phoenix	AZ	85041	(602) 276-7858	(602) 276-3671	Alexander N. Orosco	D/MBE
	Hardrock Concrete Placement Co., Inc.	8448 N. 83rd Ave.	Peoria	AZ	85345	(602) 938-9588	(602) 979-2398	Larry Lopez	D/MBE
	Sandstorm Construction, L.L.C.	3719 W. Windrose Dr.	Phoenix	AZ	85029-2034	(602) 843-4622	(602) 843-8674	Ramon Muro	D/MBE
<b>Concrete Floor Treatments</b>									
<b>Concrete Floor Sealing, Coating, Curing &amp; Hardening</b>									
	Paul M. Wolff, Co.	536 W. Southern Ave	Orange	CA	92665	(714) 974-0630	(714) 974-6930	Conrad P. Cole	D/MBE
<b>Concrete Placement</b>									
<b>Concrete General Construction</b>									
	Pinnacle Concrete, Inc.	105 W. Buist	Phoenix	AZ	85041	(602) 276-7858	(602) 276-3671	Steven Abril, Jr.	D/MBE
<b>Concrete Pumping</b>									
	Hernandez Concrete Pumping, Inc.	P.O. Box 25906	Tempe	AZ	85284-5906	(602) 437-0345	(602) 437-4498	Richard Hernandez	D/MBE
<b>Concrete Sub Contractor</b>									
	Ray O Concrete, Inc.	22624 N. 83rd Avenue	Peoria	AZ	85332	(602) 566-6151	(602) 566-8405	Ramon A. Ortega	D/MBE
<b>Construction</b>									
<b>General Engineering</b>									
	Clemens Construction Co.	P.O. Box 494639	Redding	CA	96049	(916) 223-6593	(916) 223-0128	John A. Clemens	D/MBE

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Joe Perez Construction		16402 S. 56th Street	Chandler	AZ	85226	(602) 940-1575	(602) 940-1780	Joe S. Perez	D/MBE
<b>Construction Building Specialty Supplies Manufacture's' Represe</b>									
Roni Baker Associates		P.O. Box 54876	Phoenix	AZ	85078-4876	(602) 992-0304	(602) 992-4277	Roni Baker	D/WBE
<b>Construction Management</b>									
<b>General Construction Contractors</b>									
Dalco, Inc. of Arizona		505 S. 48th St., #102	Tempe	AZ	85281-2323	(602) 966-8922	(602) 966-8359	Paul D. Smith	D/MBE
Foster Group		8620 N. New Braunfels, #500	San Antonio	TX	78217	(210) 804-1004	(210) 824-1151	Paul W. foster	D/MBE
<b>Construction Management Consultants</b>									
<b>CE/Materials Testing</b>									
DDH Consulting		8730 W. Flower St.	Phoenix	AZ	85037-2929	(602) 877-0111	(602) 877-0111	Deborah D. Hoffmann	D/WBE
Vali Cooper & Associates, Inc.		41 Washington Ave.	Point Richmond	CA	94801	(510) 215-0264	(510) 215-0760	Vali Cooper	D/M/WB
<b>Construction Photography</b>									
Pamela Roberts Photography		32-1/2 South Main Street	Pittsford	NY	14534	(716) 248-9100	(716) 334-5797	Pamela Roberts	D/WBE
<b>Construction Planning</b>									
<b>Inspection Services</b>									
Valley West - C.E.M.		2438 East Chipman Road #2	Phoenix	AZ	85040	(602) 243-6576	(602) 243-6576	Carolyn M. Dotson	D/M/WB
<b>Construction Residential</b>									
<b>Custom Home Building</b>									
Tone Construction Corporation		18247 N. 7th Dr.	Phoenix	AZ	85023-1500	(602) 924-8198	(602) 863-9428	Sione F. Tone	D/MBE
<b>Construction Security Service</b>									
<b>Sky Cap, Wheelchair &amp; Positive Claim</b>									
Complete Skycap Services, Inc.		3200 Sky Harbor Blvd., #204	Phoenix	AZ	85034	(602) 267-0294	(602) 267-0094	James Fontenet	D/MBE
<b>Construction Structural Bolts &amp; Strut Accessories</b>									
<b>Wholesale distributor of Nuts &amp; Bolts</b>									
Southwest Fastener Distribution Co.		4035 W. Van Buren	Phoenix	AZ	85009	(602) 272-2658	(602) 272-2789	Catherine E. Filippone	D/WBE
<b>Construction Traffic Control Services</b>									
Law Enforcement Specialists, Inc.		P.O. Box 11656	Glendale	AZ	85318	(602) 582-5700	(602) 582-2442	Bonnie K. Lucas	D/WBE
State Traffic Services		1509 W. Ileso Cricle	Mesa	AZ	85202	(602) 897-7640	(602) 897-7640	Michelle Wallace	D/WBE

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BUS TYPE	NAME	ADDRESS	CITY	STATE	ZIP	PHONE	FAX	CONTACT	D/M/WBE
State Traffic Services1		610 W. Broadway, #207	Tempe	AZ	85282	(602) 303-0553		Michelle Wallace	D/WBE
<b>Contract Engineering Labor Services</b>									
ETS, Inc.		5717 E. Thomas Rd., #3	Scottsdale	AZ	85251	(602) 423-0000	(602) 423-1210	Martha S. Alberti	D/WBE
<b>Contract Office Furniture Sales</b>									
Valdez Office Environments, Inc.		2850 S. 36th. Street, #2	Phoenix	AZ	85034	(602) 437-0999	(602) 470-0807	Ernest J. Salazar	D/MBE
<b>Contract Programming</b>									
<b>Computer Hardware &amp; Software Sales</b>									
Taylor Computer Marketing, Crop.		P.O. Box 54310	Phoenix	AZ	85078	(602) 569-0011	(602) 569-7001	Jeanette Hendricks	D/WBE
<b>Contractors Books, Newspapers</b>									
<b>Airport Retail</b>									
Casa Fenix Merchandising, Inc.		1033 E. Jefferson, #500	Phoenix	AZ	85034	(602) 252-4050	(602) 258-8808	Yolanda Collazos Kizer	D/M/WB
<b>Court Reporting &amp; Related Services</b>									
Bartlowe Reporting Services		800 N. 4th St.	Phoenix	AZ	85004	(602) 254-9116	(602) 271-4517	Crystal Bartlowe	D/WBE
Cropper & Associates, Ltd.		77 E. Columbus, #102	Phoenix	AZ	85012-2351	(602) 277-8882	(602) 277-5576	Elaine M. Cropper	D/WBE
<b>Court Reporting &amp; Stenographic Services</b>									
Nance Reporting		4232 W. McLellan Blvd.	Phoenix	AZ	85019-1230	(602) 915-1223		Lisa A. Nance	D/WBE
<b>Cross Cultural Communications Training</b>									
Global Basics		2765 N. scottsdale Rd., #1040	Scottsdale	AZ	85757	(602) 921-3982	(602) 921-4082	Peniel Cronin	D/WBE
<b>Data Processing Consulting</b>									
Cierra Consulting Company, Inc.		8687 E. Via De Ventura, #200	Scottsdale	AZ	85258	(602) 596-1366	(602) 596-1563	Claudia A. Bennett	D/WBE
<b>Decal &amp; Sign Silk-Screen Printing</b>									
Stevens Decal Company, inc.		3336 W. McDowell Rd.	Phoenix	AZ	85009	(602) 269-7758	(602) 484-9381	Linda C. Stevens	D/WBE

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<b>Dependent Care Counseling</b>									
	Summa Associates	735 E. Guadalupe	Tempe	AZ	85283	(602) 820-9844	(602) 820-9873	Karen Woodford	D/WBE
<b>Design &amp; Procurement In Interior Design</b>									
	Interesource, Inc.	4350 E. Camelback Rd., #C-200	Phoenix	AZ	85018	(602) 952-1400	(602) 952-8300	Jamie Lendrum	D/WBE
<b>Desktop Publishing</b>									
<b>Public Relations</b>									
	Desktop Publishing By Luisa	6737 W. Oregon	Glendale	AZ	85303	(602) 846-7483	(602) 846-1678	Luisa C. Bailey	D/M/WB
	DN Ross & Associates	4700 N. 12th Street, #206	Phoenix	AZ	85014	(602) 248-9255	(602) 248-9255	Debra N. Ross	D/WBE
	The Write Advantage, Inc.	5449 E. Larkspur	Scottsdale	AZ	85254	(602) 996-1766	(602) 494-9260	Vickie L. Mullins	D/WBE
<b>Desktop, Publishing, Publishing, Video Productions</b>									
<b>Data Base Development</b>									
	Premier Communications International	300 W. Osborn, #101	Phoenix	AZ	85013	(602) 285-1095	(602) 285-1099	Ray Flores	D/MBE
<b>Diamond Tipped Cutting Tools</b>									
<b>Joint Sealant Supplier</b>									
	Specialty Sales, Inc.	8629 Jefferson Highway	Osseo	MN	55369	(612) 453-3087	(612) 425-3757	E.J. Cruickshank	D/MBE
<b>Disability Related Consulting</b>									
<b>ADA Specialist</b>									
	Abilities Unlimited, Inc.	11811 N. Tatum Blvd., #P-109	Phoenix	AZ	85028	(602) 953-8525	(602) 953-8526	Bill Scott	D/MBE
<b>Distributor of Children/Adult Educational Books</b>									
<b>Hobby, Reference Books</b>									
	Dorling Kindersley Family Library Distri	317 W. Ensueno St.	Gilbert	AZ	85233	(602) 892-6947	(602) 813-1722	Faith McNaughton	D/WBE
<b>Distributor Of Playing Cards &amp; Games</b>									
	Davis Distributors, Inc.	2450 West 82nd Street #202	Hialeah	FL	33016	(800) 446-4263	(305) 823-6771	Cynthia Davis	D/WBE
<b>Distributor of Valves &amp; Controls</b>									
<b>Distributor of Filtration Products</b>									
	Arizona Contract Services	3916 S. Pine	Tempe	AZ	85282	(602) 730-0397	(602) 730-9217	Sheila C. Adams	D/WBE

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<b>Drafting Service</b>									
	Chandler Drafting Service	20626 N. 4th Ave.	Phoenix	AZ	85027	(602) 582-4892	(602) 492-9694	Tracy D. Chandler-Bergstrom	D/WBE
<b>Dump Hauling (ABC, Hot Asphalt, etc.)</b>									
	Gober Trucking, Inc.	5105 E. Dover Street	Mesa	AZ	85205	(602) 396-5430	(602) 968-8717	Cathy Ann Gober	D/WBE
<b>Earthwork &amp; Paving</b>									
	Asphalt Services of Arizona	P.O. Box 56364	Phoenix	AZ	85079	(602) 245-1327	(602) 278-8324	P.J. Hughes	D/WBE
<b>Economic Consulting-Urban Planning</b>									
<b>Public finance, Impact Assessment</b>									
	Applied Economics	5957 E. Windrose	Scottsdale	AZ	85254	(602) 922-9397		Sarah Murley Brammer	D/WBE
<b>Electrical Agent Representative &amp; Distributor</b>									
	A.H. Neal Sales, Inc.	14445 N. 73rd St.	Scottsdale	AZ	85260	(602) 998-7720	(602) 998-0238	Claudia H. Neal	D/WBE
<b>Electrical Contracting</b>									
<b>General Construction</b>									
	Azteca Electrical Construction, Inc.	18426 N. 2nd Drive	Phoenix	AZ	85023	(602) 375-0372	(602) 375-0372	Carlos V. Yado	D/MBE
	C-3 Energy Corp.	1440 S. Priest, #101	Tempe	AZ	85281	(602) 968-1515	(602) 968-2656	Mario Corral	D/MBE
	Electrical Concepts, Inc. dba E.C.I. Co	5825 W. Harmont Dr.	Glendale	AZ	85302	(602) 934-2986	(602) 939-2720	Bruce D. Jackson	D/MBE
	Expert Electric, Inc.	1119 Grand Avenue	Phoenix	AZ	85007	(602) 254-6741	(602) 253-3936	Larry R. Wright	D/MBE
	Industrial Electric	14827 N. 60th Dr.	Glendale	AZ	85306	(602) 978-5064	(602) 978-4227	Mark E. Moody	D/MBE
	Martinez Electric	3109 W. Roosevelt	Phoenix	AZ	85009	(602) 531-5001	(602) 352-8205	Francisco Javier Martinez	D/MBE
	New River Electric, Inc.	20801 N. 21st Avenue	Phoenix	AZ	85027	(602) 780-9516	(602) 780-0046	Jeanie Eischens	D/WBE
	T.O.W. Electric, Inc.	5126 W. Olive Ave., #174	Glendale	AZ	85302	(602) 412-2303	(602) 412-2303	Robert Lloyd	D/MBE
<b>Electrical Contracting Commercial/Industrial</b>									
<b>Electrical Contracting Residential</b>									
	Knox Electric, Inc.	P.O. Box 24447	Phoenix	AZ	85074-4447	(602) 243-1528	(602) 243-1342	Gary A. Knox, Sr.	D/MBE
<b>Electrical Contracting, Underground/Overhead Instalations</b>									
<b>Street Lighting, Utility Work, New Buildings &amp; Remodels</b>									
	D.P. Electric, Inc.	331 S. River Dr., #3	Tempe	AZ	85281	(602) 858-9070	(602) 858-9067	Dan Puente	D/MBE

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<b>Electrical Engineering</b>									
<b>Mechanical Engineering</b>									
	Joddell Associates	6720 E. Belleview St.	Scottsdale	AZ	85257-3225	(602) 949-8901	(602) 949-8901	Joseph Ogundiji, P.E.	D/MBE
	NP Engineering, Inc.	3831 N. 15th Ave.	Phoenix	AZ	85015	(602) 265-1559	(602) 265-1605	Andrew C. Panopio	D/MBE
	R.A. Alcalá & Associates, Inc.	2340 N. Tucson Blvd., #120	Tucson	AZ	85716	(520) 795-4770	(520) 795-4765	Robert A. Alcalá	D/MBE
<b>Electronic Communications Contractor</b>									
	Chambers, Inc.	313 S. 36th St.	Phoenix	AZ	85034	(602) 275-7575	(602) 275-5436	Roxanne R. Chambers	D/WBE
<b>Electronics Design</b>									
<b>Electronic Computers</b>									
	Valtronics Engineering & Manufacturing	6602 N. 58th Dr.	Glendale	AZ	85301	(602) 937-0373	(602) 931-6478	Lorenzo J. Valenzuela	D/MBE
<b>Engineering &amp; Design</b>									
<b>Construction Management</b>									
	AR Utility Specialists dba EDM Group	P.O. Box 20852	Phoenix	AZ	85036-0852	(602) 525-3227	(602) 525-3204	Alejandro Reynoso	D/MBE
<b>Engineering Services</b>									
<b>Construction Management</b>									
	E.W. Moon, Inc.	11311 Venice Boulevard	Los Angeles	CA	90066	(310) 915-1018	(310) 915-1038	Elvin W. Moon	D/MBE
	Robert Young Engineers, Inc.	7116 N. 63rd Dr.	Glendale	AZ	85021	(602) 937-8747	(602) 937-8747	Robert A. Young	D/MBE
	SNI International Resources, Inc.	4041 N. Central Ave., #1470	Phoenix	AZ	85012-3314	(602) 285-1331	(602) 285-1201	Lupe Carbajal	D/MBE
<b>Environmental Construction</b>									
<b>Hazardous Waste Services</b>									
	North American Resources Constructio	6145 W. Sundust Rd.	Chandler	AZ	85226	(800) 997-6272	(520) 796-4058	Robert Leon, Sr.	D/MBE
<b>Environmental Consulting</b>									
<b>Geological Services</b>									
	Bellatrix Environmental Consultants, L.	8300 N. Hayden Rd., #A-103	Scottsdale	AZ	85258	(602) 483-1500	(602) 483-1516	Kristen O. Lorenz	D/WBE
	Four Corners Environmental, Inc.	14634 S. 35th Pl.	Phoenix	AZ	85044	(602) 759-0075	(602) 759-7123	Rhonda A. Brose	D/WBE
<b>Environmental Engineering</b>									
	Harris Environmental Group	1749 E. 10th St.	Tucson	AZ	85719	(520) 628-7648	(520) 628-1458	Lisa Harris	D/WBE
<b>Environmental Remediation Services</b>									

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	Advanced Sciences, Inc.	6739 Academy Rd., NE	Albuquerque	NM	87109	(505) 828-0959	(505) 823-6827	Ed L. Romero	D/MBE
	<b>Environmental Testing Laboratory Full Service</b>								
	Turner Laboratories, Inc.	1844 W. Grant Road, #104	Tucson	AZ	85745	(520) 882-5804	(520) 882-9788	Nancy D. Turner	D/WBE
	<b>Event Planning</b>								
	<b>Community &amp; Public Relations Services</b>								
	Villicaña & Associates	716 E. Claremont	Phoenix	AZ	85014	(602) 265-7350	(602) 265-1079	Rebecca Villicaña	D/M/WB
	<b>Excavating &amp; Grading</b>								
	<b>Heavy Equipment Leasing</b>								
	Earthmovers, Inc.	8604 E. Jenan Dr.	Scottsdale	AZ	85260	(602) 998-5406	(602) 998-5212	Jody Trenter	D/WBE
	<b>Excavation &amp; Grading</b>								
	<b>Demolition</b>								
	C. R. Anderson Construction, Inc.	P.O. Box 22004	Denver	CO	80222	(303) 753-0102	(303) 753-6751	Paul Anderson	D/MBE
	Camino Duro, Inc.	P.O. Box 895	Chandler	AZ	85244	(602) 963-8283	(602) 963-6619	Lupe D. Pruett	D/M/WB
	<b>Fencing Guardrail Contracting</b>								
	<b>Welding</b>								
	Fence Erectors, Inc.	2560 S. 16TH AVE.	Phoenix	AZ	85007	(602) 252-1195	(602) 252-1197	Reynaldo A. Gomez, Jr.	D/MBE
	<b>Fiber Optic Cable Distributor</b>								
	<b>Manufacturer of Cable Assemblies</b>								
	Fibertron Corporation	6400 Artesia Blvd.	Buena Park	CA	90620	(714) 670-7711	(714) 670-8811	Marlene Spiegle	D/WBE
	<b>Floor Covering Installing</b>								
	B & C Floor Covering	1201 N. 54th Ave., #132	Phoenix	AZ	85043	(602) 233-2601	(602) 233-9704	Benjamin R. Castillo	D/MBE
	Ramirez Floor Covering, Inc.	3308 E. Madison St.	Phoenix	AZ	85034	(602) 275-7571	(602) 275-5003	John Y. Ramirez	D/MBE
	<b>Flooring Contractor</b>								
	M & J Industries, Inc.	P.O. Box 2415	Phoenix	AZ	85002	(602) 256-2699	(602) 256-2499	James G. Baca	D/MBE
	<b>Food Service, Catering</b>								
	Black Onyx Catering	5905 W. Golden Lane	Glendale	AZ	85302	(602) 351-0680		Kimberly Ann Bjorn	D/M/WB

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<b>Food Service, Catering, Mexican Food</b>									
<b>Restaurant Food Service</b>									
	Carolina's Mexican Food, Inc.	1202 E. Mohave Street	Phoenix	AZ	85934	(602) 252-1503		Carolina Valenzuela	D/M/WB
	Minga's Mexican Food Restaurant, Inc.	4323 W. Cactus Rd.	Glendale	AZ	85304	(602) 978-5167	(602) 978-9083	Dominga C. Garcia	D/M/WB
	Tres Hermanos, Inc., dba Oaxaca	1516 W. Van Buren	Phoenix	AZ	85007	(602) 258-0804	(602) 258-7411	Fredrick Verdugo	D/MBE
<b>Free-lance Writing Services</b>									
	Written Designs	10800-1 E. Cactus Rd.	Scottsdale	AZ	85259	(602) 614-1413	(602) 614-1413	Barbara J. Pringle	D/WBE
<b>General Building Contractor</b>									
	Barcon Corporation	P.O. Box 370	Miami	AZ	85539	(602) 473-3531		Fred Barcon	D/MBE
	Malcon Construction Corporation	3029 E. Southern Ave	Phoenix	AZ	85040-3714	(602) 243-1278	(602) 243-1270	Rudy Maldonado	D/MBE
<b>General Construction</b>									
<b>Aggregate</b>									
	Arizona Bitumals Construction Co.	P.O. Box 48714	Phoenix	AZ	85075	(602) 936-4149	(602) 936-4149	Miguel A. Miranda	D/MBE
	Arizona Built Rite Construction	P.O. Box 1584	Avondale	AZ	85323	(602) 877-1799	(602) 877-2195	Al Gutierrez	D/MBE
	Arizona Custom Millwork	P.O. Box 18167	Phoenix	AZ	85005	(602) 254-6431	(602) 254-8781	Tamara Westfall	D/WBE
	Blucor Contracting, Inc.	402 E. Campbell	Gilbert	AZ	85234	(602) 813-6465	(602) 813-6506	Gordon Bluth	D/MBE
	DAV Contracting, Inc.	5861 N. 55th Ave., #2	Glendale	AZ	85301-5908	(602) 245-2121	(602) 939-3170	Daniel A. Villa	D/MBE
	Foresite Design & Construction, Inc.	124 W. Orion, #3	Tempe	AZ	85283	(602) 820-1345	(602) 820-1305	A. Leslie Rozzell	D/WBE
	Hernandez Companies, Inc.	101 W. Hatcher Road	Phoenix	AZ	85021	(602) 997-7271	(602) 943-7175	Augustin Hernandez	D/MBE
	Inca Contracting Co.	95 N. Arizona Place., # 4	Chandler	AZ	85225	(602) 821-0715	(602) 786-3236	Jose L. Castillo	D/MBE
	Lewis & Smith Construction Co.	2325 S. Hardy Dr.	Tempe	AZ	85282	(602) 921-1688	(602) 921-2051	Herbert J. Lewis	D/MBE
	Northridge Mechanical, Inc.	4106 S. 7th Street	Phoenix	AZ	85040	(602) 268-2100	(602) 276-8908	Daniel A. Ortega	D/MBE
	Pacheco Corporation	4122 W. Venus Way	Chandler	AZ	85226-3742	(602) 598-0573	(602) 598-0579	John Pacheco	D/MBE
	Phillips Three, Inc.	1012 West Stirrup High Drive	Dewey	AZ	86327	(520) 772-1332	(520) 772-1332	Patsy M. Crandall	D/WBE
	Robert E. Mann Construction Co.	316 N. 19th Ave.	Phoenix	AZ	85009	(602) 254-1629	(602) 254-7806	Marcelyn L. Mann	D/WBE
	Rodriguez General Contractors Compa	2701 E. Camelback Rd., #341	Phoenix	AZ	85016	(602) 912-9200	(602) 912-9209	Victoria Rodriguez	D/MBE
	Seri Construction Company, L.L.C.	2845 E. Camelback Rd., #700	Phoenix	AZ	85016	(602) 381-1637	(602) 224-3780	Jesus Valenzuela, Jr.	D/MBE
	Sun Eagle Corporation	461 N. Dean Ave,	Chandler	AZ	85226	(602) 961-0004	(602) 940-0160	Martin Alvarez	D/MBE
	Talis Construction Corporation	P.O. Box 9872	Scottsdale	AZ	85252-0218	(602) 874-0901	(602) 874-0218	Sandra Gonzalez	D/M/WB

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	Tappan Springs Construction	P.O. Box 47	Cameron	AZ	85020	(602) 273-7540	(602) 273-7540	Lorenzo Robbins	D/MBE
	Valco Construction Co., Inc.	6602 N. 58th Dr.	Glendale	AZ	85301	(602) 937-2042	(602) 931-6478	Rafael Valenzuela, Jr.	D/MBE
<b>General Construction, Heavy Highway</b>									
	Arrow Indian Contractors, Inc.	1108 W. 2nd Pl.	Mesa	AZ	85201	(602) 833-4811	(602) 833-6920	Thom Curleyhair	D/MBE
<b>General Contracting For Commercial, Industrial &amp; Institutional</b>									
	New River Companies, Inc.	20801 N. 21st Ave.	Phoenix	AZ	85027	(602) 780-8434	(602) 780-0046	Jeanie Eischens	D/WBE
<b>General Contractor, Buildings</b>									
<b>Environmental &amp; Hazardous Waste</b>									
	JMS Construction Co.	6628 N. 16th Drive	Phoenix	AZ	85015-1425	(602) 249-3494	(602) 249-9097	Joe M.I. Sanchez	D/MBE
	Simpson General Contracting Corp.	P.O. Box 20785	Phoenix	AZ	85036	(602) 268-2220	(602) 268-3046	Mike Simpson	D/MBE
<b>General Contractor, Excavation, Grading</b>									
<b>Underground Utilities, Guardrail</b>									
	Dirt & Aggregate Interchange, Inc.	20905 NE Sandy Blvd.	Troutdale	OR	97060	(503) 661-5093		Julie Puderbaugh	D/MBE
<b>General Contractor, Remodeler</b>									
	Moon Valley Builders	109 W. Pine Valley Dr.	Phoenix	AZ	85023-5262	(602) 942-7293	(602) 942-1792	Herbert M. Encinas	D/MBE
<b>General Contractor, Residential/Commercial</b>									
<b>General Engineering</b>									
	McIntyre Construction, Inc.	2533 W. Loughlin Dr.	Chandler	AZ	85224	(602) 820-6907	(602) 730-6128	Susan B. McIntyre	D/WBE
<b>General Contractor, Structural Concrete</b>									
<b>Earthwork &amp; Utilities</b>									
	Miller & Associates, Inc.	P.O. Box 519	Rillito	AZ	85654-0519	(602) 682-2939	(602) 682-2306	Annmarie Miller	D/M/WB
<b>General Contractor-Interior Tenant Improvements.</b>									
	TICORE Construction, Inc.	4455 E. Camelback Rd., #B230	Phoenix	AZ	85018	(602) 954-8800	(602) 954-4787	Charles P. Hernandez	D/MBE
<b>General Engineering</b>									
<b>Caisson Drilling, Pile Driving, Shoring</b>									
	Coast Grading Co., Inc.	P.O. Box 1152	Ramona	CA	92065	(619) 789-2062	(619) 789-4528	Sammy R. Thomas	D/MBE
	Intra-American Foundation & Drilling C	502 W. Watkins Rd.	Phoenix	AZ	85003	(602) 256-2843	(602) 253-6860	Salvador Altamirano	D/MBE

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<b>General Engineering Contractor, Steel Construction</b>									
<b>Structural Steel Erection</b>									
	Macias Corporation	383 Diablo Road, #100	Danville	CA	94526	(510) 837-3810	(510) 820-7509	Edward M. Macias	D/MBE
<b>General Residential Construction</b>									
	Covenant Construction Company	2401 E. Delgado St.	Phoenix	AZ	85032	(602) 482-3709		Bolu Makinde	D/MBE
<b>Geographic Information Systems Consulting</b>									
<b>Transp., Enviro. &amp; Community Planning</b>									
	GIS Southwest, Inc.	4621 N. 16th Street, #B213	Phoenix	AZ	85016	(602) 266-5080	(602) 266-5256	Leena Raval	D/M/WB
	Mosaic Analytical Planning	7520 E. Via Estrella Ave.	Scottsdale	AZ	85258-1121	(602) 483-7170	(602) 483-0715	Sandra M. Weir	D/WBE
<b>Geomembrane Systems Installation</b>									
	Field Lining Systems, Inc.	6970 N.W. Grand Ave.	Glendale	AZ	85301	(602) 842-1255	(602) 930-1766	Phillip V. Ramos	D/MBE
<b>Geotechnical &amp; Materials Testing</b>									
<b>Environmental Assessments</b>									
	Arizona Structural Inspection, Inc.	1225 N. Stadem Dr.	Tempe	AZ	85281	(602) 921-1368	(602) 921-0194	John C. Savoia	D/WBE
	Speedie & Associates, Inc.	11029 N. 24th Ave., #805	Phoenix	AZ	85029	(602) 997-6391	(602) 942-5508	Henrietta Flores Speedie	D/M/WB
<b>Geotechnical Engineering</b>									
<b>Construction Quality Control</b>									
	ATL, Inc.	2912 West Clarendon	Phoenix	AZ	85017	(602) 241-1097	(602) 277-1306	Frank C. Rivera	D/MBE
	Tahoma Companies, Inc.	444 South Main Street, #C-7	Cedar City	UT	84720	(801) 865-0131	(801) 865-0161	Corrie Lynne Player	D/WBE
<b>Glass &amp; Glazing</b>									
<b>Metal Products</b>									
	Glendale Glass, Inc.	5412 W. Glendale	Glendale	AZ	85301	(602) 937-2497	(602) 939-4161	Raymond E. Nuñez	D/MBE
<b>Graphic Arts Services</b>									
	Double RR Graphics, Inc.	511 W. Guadalupe Rd., #14	Gilbert	AZ	85233	(602) 892-9665	(602) 892-0676	Kathleen Rodriguez	D/M/WB
<b>Graphic Design</b>									
<b>Desktop Publishing</b>									
	Arrowhead Visual Communications	P.O. Box 11041	Glendale	AZ	85318-1041	(602) 561-9355	(602) 561-9354	Theresa O'Brien	D/WBE

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<u>BUS TYPE</u>	<u>NAME</u>	<u>ADDRESS</u>	<u>CITY</u>	<u>STATE</u>	<u>ZIP</u>	<u>PHONE</u>	<u>FAX</u>	<u>CONTACT</u>	<u>D/M/WBE</u>
<b>Graphic Design &amp; Illustration</b>									
	30th Century Graphic Design	2432 W. Peoria Ave., #1305	Phoenix	AZ	85029	(602) 331-3707	(602) 331-3705	Antoinette L. Shiles	D/WBE
<b>Graphics &amp; Design Services</b>									
	VGRAPHIX	999 E. Baseline, #2224	Tempe	AZ	85283	(602) 820-1824	(602) 820-4473	Karen Dmitriev	D/WBE
<b>Graphics Design</b>									
	JRC Design	6390-1 E. Thomas Rd., #318	Scottsdale	AZ	85251	(602) 946-3028	(602) 946-8915	Jamie R. Cowgill	D/WBE
<b>Guard Rail, Fencing Installation</b>									
<b>Rental Highway Safety Equipment</b>									
	American Transwest, Inc.	P.O. Box 50907	Phoenix	AZ	85076-0907	(602) 893-8511	(602) 893-8535	Ruben Mendoza	D/MBE
	Brown And White, Inc.	P.O. Box 27283	Tucson	AZ	85726	(520) 624-9860	(520) 624-1062	Peter A. Granillo	D/MBE
<b>Hardware &amp; Components</b>									
	Industrial Sales & Service, Co.	12 Sunset Way #B-206	Henderson	NV	89014-2309	(800) 456-5357	(702) 456-2726	Joanne P. Feeman	D/WBE
<b>Hardware Store, Retail</b>									
	Steve's True Value Hardware	731 E. Union Hills Dr., #7	Phoenix	AZ	85024	(602) 788-1980	(602) 788-3133	Steve Yee	D/MBE
<b>Hazardous Waste Services</b>									
<b>Environmental Services</b>									
	EnviroMD, Inc.	4400 E. Broadway, #300	Tucson	AZ	85711	(520) 881-1000	(520) 327-1572	Steve Pike, M.D.	D/MBE
<b>Healthcare Management Consulting</b>									
<b>Human Services</b>									
	Fox Systems, Inc.	P.O. Box 9831	Scottsdale	AZ	85252-3981	(602) 423-8184	(602) 423-8108	Susan J. Fox	D/WBE
<b>Herbicide Application, Weed Control</b>									
	Evergreen Spray Service, Inc.	279 Shadow Valley Ranch Road	Prescott	AZ	86301	(520) 258-5041	(520) 778-5050	Paula D. Gross	D/WBE
<b>Hispanic Advertising Agency</b>									
<b>Marketing, Public Relations</b>									

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	Topete/Stonefield, Inc.	325 West Encanto Boulevard	Phoenix	AZ	85003	(602) 254-8780	(602) 258-7586	Liz Topete Stonefield	D/M/WB
<b>Hispanic Marketing Agency</b>									
<b>Public Relations</b>									
	Arvizu Promotions & Event Marketing	3225 N. Central Ave., #1600	Phoenix	AZ	85012	(602) 279-4669	(602) 279-4977	Ray Arvizu	D/MBE
	Muñoz Y Asociados	5126 W. Olive Ave. Box 216	Glendale	AZ	85302	(602) 939-1626	(602) 939-1526	Joe F. Muñoz	D/MBE
<b>Home Arts &amp; Crafts Supplier</b>									
	R.A. Brown	10062 N. Tuzigoot	Casa Grande	AZ	85222	(520) 836-8185		Rita A. Brown	D/WBE
<b>Horizontal Boring</b>									
<b>Pipe Jacking</b>									
	Ayala Boring, Inc.	10150 Poplar Ave.	Fontana	CA	92335	(909) 350-8940		Ralph G. Ayala, Jr.	D/MBE
<b>Human Resource Training</b>									
<b>Human Relations Training &amp; Consulting</b>									
	A+ Training	P.O. Box 6076	Chandler	AZ	85224	(602) 821-4886	(602) 821-4637	Cynthia D. Hammond	D/WBE
<b>Human Resources Consultant</b>									
<b>Cultural Diversity Expertise</b>									
	Prism Resources Unlimited	25208 S. Flametree	Sunlakes	AZ	85248	(602) 407-8003	(602) 802-0073	Vicki Treciak	D/WBE
<b>Human Services Consulting</b>									
<b>Program Consulting</b>									
	B.J. Tatro Consulting	5010 E. Shea Blvd. Suite A-101	Scottsdale	AZ	85254-4682	(602) 596-3560	(602) 596-3863	B.J. Tatro	D/WBE
<b>Hydrology</b>									
<b>CE/Water Resources</b>									
	HSS Hydrology Support Services	3309 S. Hazelton Ln.	Tempe	AZ	85282	(602) 839-4015		Freddy E. Arteaga	D/MBE
	West Consultants, Inc.	2111 Palomar Airport Road #180	Carlsbad	CA	92009-1419	(619) 431-8113	(619) 431-8220	David T. Williams	D/MBE
<b>Industrial Coatings &amp; Linings</b>									
	Industrial Coatings & Linings Consultan	4801 E. Laurel Ln.	Scottsdale	AZ	85254	(602) 953-5734	(602) 953-5226	Denise K. Sylvia	D/WBE
<b>Information Management</b>									
<b>Integrated Technology Services</b>									
	Armstrong Data Services, Inc.	943 S. 48th St., #120	Tempe	AZ	85281	(602) 829-0089	(602) 829-7512	Jack C. Prister	D/MBE

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<b>Information Retrieval Services Consultant</b>									
	Castillo Company, Inc.	2345 E. University Dr.	Phoenix	AZ	85034-6827	(602) 231-9000	(602) 275-8593	Eduardo A. Castillo	D/MBE
<b>Interior Decorating</b>									
<b>Floor &amp; Window Coverings</b>									
	Designs Of Today	5077 E. Jacob Waltz	Apache Junction	AZ	85219	(602) 982-0733	(602) 982-0733	Ronald Gomez	D/MBE
<b>Interior Design</b>									
<b>Floor Covering Dealer</b>									
	Interior Design And Supply	641 W. Port Au Prince Lane	Phoenix	AZ	85023	(602) 863-0688	(602) 863-0688	Janet La Plante	D/WBE
<b>Investment Firm</b>									
	Yee, Desmond, Schroeder & Allen, Inc.	3443 N. Central Ave., South Rotu	Phoenix	AZ	85012	(602) 230-9372	(602) 230-9862	Al Yee	D/MBE
<b>Investment Management Services</b>									
<b>Financial Trust &amp; Custodial</b>									
	Mission Management & Trust Co.	3567 E. Sunrise Dr., #235	Tucson	AZ	85718	(520) 577-5559	(520) 577-6781	Carmen Bermudez	D/M/WB
<b>Investment Services</b>									
	First Colorado Financial Services Com	410 17th Street, #1220	Denver	CO	80202	(303) 615-9313	(303) 615-9303	Catherine Chandler	D/WBE
	Suppes Securities, Inc.	225 Park Ave., #211	New York	NY	10169	(212) 697-9820	(212) 986-1819	Michelle P. Suppes	D/WBE
<b>Iron Works, Light Structural, Certified Welding</b>									
<b>Handrail, Guardrail, Staircases</b>									
	Hubbs Metal Fabrication	P.O. Box 2430	Mesa	AZ	85214	(602) 926-5773	(602) 926-5767	LaVern Hubbs	D/WBE
<b>Janitorial Service, Commercial Buildings</b>									
<b>Maintenance of Residential Homes</b>									
	Ayala Maintenance, Inc.	4653 W. Myrtle Ave.	Glendale	AZ	85301	(602) 939-5759	(602) 486-0887	Robert M. Ayala	D/MBE
<b>Janitorial Services</b>									
<b>Auto Detailing</b>									
	Cathayan Maintenance	1250 Lincoln Ave., #600	Pasadena	CA	91103	(818) 296-0095	(818) 296-0098	Shelly Wong	D/M/WB
	D&D Enterprise	64 W. Melody Dr.	Gilbert	AZ	85233	(602) 377-4086	(602) 892-2071	Darwell Coleman	D/MBE
	Patterson Janitorial Service Company	7602 N. 12th St., Apt #238	Phoenix	AZ	85020	(602) 944-0804		Raymond Patterson	D/MBE
	Professional Corporate Services of Ariz	21642 N. 9th Ave., #102	Phoenix	AZ	85027	(602) 582-0188	(602) 582-3557	Ernest E. Jackson	D/MBE

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	Ray's Cleaning Service	4150 N. 35th Ave.	Phoenix	AZ	85017	(602) 242-6545	(602) 249-6610	Ray Brannon	D/MBE
	The Cleaning Crew	2432 E. Ocotillo Rd.	Phoenix	AZ	85016	(602) 664-4452		James T. Dade	D/MBE
<b>Janitorial Supplies</b>									
<b>Janitorial Services</b>									
	Crown International	2303 N. 44th St. #14-113	Phoenix	AZ	85088	(602) 834-9136	(602) 830-3617	Trevor Griffiths	D/MBE
<b>Keypad &amp; Interface Assemblies</b>									
	Interface Data Systems, Inc.	3333 W. Flower street	Phoenix	AZ	85017-4802	(602) 484-0084	(602) 484-0744	Mahasen Samaravijaya	D/MBE
<b>Land Surveying</b>									
<b>Civil &amp; Structural Engineering, Architecture</b>									
	A Team Professional Associates, Inc.	1920 W. Peoria Ave.	Phoenix	AZ	85029-4915	(602) 906-0020	(602) 906-0019	Loretta G. Wahl	D/WBE
	Alcocer Land Surveyors	3501 N. 16th Street	Phoenix	AZ	85016	(602) 263-7846	(602) 248-7851	Richard Alcocer	D/MBE
	Dava & Associates, Inc.	310 E. Union Street	Prescott	AZ	86303	(520) 778-7587	(520) 778-1047	Dava Z. Hoffman	D/WBE
	Louis C. Warner & Company, Inc.	4434 N. 12th Street, #200	Phoenix	AZ	85014-6015	(602) 274-5199	(602) 279-2705	Louis C. Warner	D/MBE
	Valco Surveying Corporation	6426 E. Virginia Avenue	Scottsdale	AZ	85257	(602) 990-2412	(602) 990-2412	Valentine M. Padilla	D/MBE
<b>Landscape &amp; Irrigation System Construction</b>									
	Shelton's Lawnsprinkler Service	5751 W. Pointsetta Dr.	Glendale	az	85304	(602) 979-2494	(602) 530-4924	Larnce E. Shelton	D/MBE
<b>Landscape Architecture</b>									
<b>Architectural Interiors</b>									
	Bowden Design Group, Inc.	7100 E. Lincoln Dr., # D-224	Scottsdale	AZ	85253	(602) 443-0223	(602) 443-8293	Laura Bowden	D/WBE
	C. F. Shuler, Inc.	13901 N. 73rd St., # 207	Scottsdale	AZ	85260	(602) 483-0535	(602) 948-5982	Carol F. Shuler	D/WBE
	Floor & Ten Eyck	30 E. Northern	Phoenix	AZ	85020	(602) 395-1295	(602) 395-1207	Christine E. Ten Eyck	D/WBE
	Logan Simpson & Dye	398 South Mill Ave. #200	Tempe	AZ	85281	(602) 967-1343	(602) 966-9232	Caryn Logan Heaps	D/WBE
	McCloskey Peltz, Inc.	P.O. Box 24294	Tempe	AZ	85285-4294	(602) 838-4777		Diane C. McCloskey	D/WBE
	Recon Consultants, Inc.	3443 N. Campbell Ave., #155A	Tucson	AZ	85719	(520) 325-9977	(520) 322-6956	Lori Jones Woods	D/WBE
	Sakato & Sakato Landscape Architects	2828 N. Central Ave., # 755	Phoenix	AZ	85004-1024	(602) 258-7777	(602) 266-4378	Gary M. Sakato	D/MBE
	Wheat-Gallaher & Associates	140 E. 4th St., #100	Tucson	AZ	85705	(520) 884-7911	(520) 884-7912	Joanne Gallaher	D/WBE
<b>Landscape Maintenance &amp; Installation</b>									
<b>Irrigation Systems Installation &amp; Maintenance</b>									
	Andrew's Straight Arrow Landscaping	6035 S. 115th Ave.	Tolleson	AZ	85353	(602) 907-0920	(602) 842-2422	Andrew Kelly, Jr.	D/MBE

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<b>Landscaping &amp; Design</b>									
	Desert Green Landscaping & Design, I	638 N. Poplar Court	Chandler	AZ	85226	(602) 961-1915	(602) 961-3059	James Shieh	D/MBE
<b>Language Services</b>									
<b>Translation Services</b>									
	Vale Spanish Language Services/Servi	P.O. Box 1163	Chandler	AZ	85244-1163	(602) 895-3252	(602) 895-3252	Juliette L. Spence	D/WBE
<b>Laser Engraving</b>									
	Leach Laser, Inc.	7662 E. Gray Rd, #102	Scottsdale	AZ	85260	(602) 998-3336	(602) 998-6955	Tracy Norris	D/WBE
<b>Laser Printer Cartridge Rebuilder</b>									
	Cartridge Care, Inc.	9525 E. Doubletree Ranch Rd., #	Scottsdale	AZ	85258	(602) 998-3359	(602) 451-6688	Shirly Folino	D/WBE
<b>Legal Services</b>									
	Day, Kavanaugh & Blommel, P.C.	1930 S. Alma School Rd., #A-100	Mesa	AZ	85210	(602) 838-4425	(602) 838-0552	Sandra A. Day, Esq.	D/WBE
	Dominguez & Talamante, P.C.	2800 N. Central Ave., #1220	Phoenix	AZ	85004	(602) 263-0088	(602) 263-1020	Antonio Dominguez, Esq.	D/MBE
	Gaona & Haynes, P.C.	3101 N. Central, #720	Phoenix	AZ	85012	(602) 230-2636	(602) 230-1377	Frances J. Haynes, Esq.	D/M/WB
	Julie M. Lemmon, Attorney At Law	1212 E. Osborn, #107	Phoenix	AZ	85014	(602) 274-7005	(602) 274-5958	Julie M. Lemmon, Esq.	D/WBE
<b>Mail Processing &amp; List Management</b>									
	International Mail Processing, Inc.	2736 W. McDowell Rd.	Phoenix	AZ	85009	(602) 484-9445	(602) 484-7867	Daniel Sarceda	D/MBE
<b>Management &amp; Administrative Services</b>									
	The Write Source	124 W. Alameda Dr.	Tempe	AZ	85282-3506	(602) 967-9304		Paulette Pohlmann	D/WBE
<b>Management &amp; Training Services</b>									
<b>Medical Billing</b>									
	Medical Business Resource Center	1221 E. Osborn Rd., #101	Phoenix	AZ	85014	(602) 279-2655	(602) 279-0815	Marilyn C. Dupont	D/WBE
<b>Management Consultant Services</b>									
<b>Product Development &amp; Training</b>									
	Emily Christopher Associates, Inc.	11811 N. Tatum Blvd., #3031	Phoenix	AZ	85028	(602) 953-7806	(602) 996-8038	John Wesly White	D/MBE
	IEE Consulting, Inc.	8208 E. Rovey Ave.	Scottsdale	AZ	85250	(602) 998-3896	(602) 991-7607	Janet D. Fiero	D/WBE

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	Kolbe Corporation	3421 N. 44th Street	Phoenix	AZ	85018	(602) 840-9770	(602) 952-2706	Kathy Kolbe	D/WBE
	<b>Manufacture &amp; Install of Fiber Optic Networks</b>								
	Fiber Specialist, Inc.	P.O. Box 30426	Phoenix	AZ	85046	(602) 585-5069	(602) 585-0919	Mitzi D. Dooley	D/WBE
	<b>Manufacturer of Cleaning Products</b>								
	Hulbert & Rodgers, Inc.	6050 Peachtree Pkwy., #340-193 Norcross		GA	30092	(770) 263-7765	(770) 298-1501	Hulbert Bolles	D/MBE
	<b>Manufacturer of Commercial Roofing Products</b>								
	Thermo Manufacturing Company, L.P.	401 E. Ray Rd.	Chandler	AZ	85225	(602) 821-9594	(602) 821-9047	LeAnne Sanders	D/WBE
	<b>Manufacturer of Quality Woodwork</b>								
	Reuben's Architectural Woodwork, Inc.	4929 W. Van Buren Street	Phoenix	AZ	85043	(602) 269-7667	(602) 269-0505	Jose Di Mauro	D/MBE
	<b>Manufacturer of Telephone &amp; Data Cable Assemblies</b>								
	<b>Telephone Jacks &amp; Data Products</b>								
	American Cablemasters, Inc.	4202 E. Elwood, #14	Phoenix	AZ	85040	(602) 470-1961	(602) 437-9542	Paula J. Doerr	D/WBE
	<b>Manufacturing Steel Framing &amp; Building Components</b>								
	Harrison Manufacturing Company of M	P.O. Box 13162	Memphis	TN	38113-0162	(901) 332-4030	(901) 332-9302	Sandra C. Harrison	D/WBE
	<b>Market Advertising Specialty Items</b>								
	<b>Promotional Products</b>								
	Advertising Specialties By Wolf	9452 E. Fairway Dr.	Mesa	AZ	85207	(602) 984-1712	(602) 984-5859	Sandra Wolf	D/WBE
	<b>Marketing/Market Research</b>								
	<b>Communications Services</b>								
	Nancy Low & Associates, Inc.	3030 N. Central Ave., #609	Phoenix	AZ	85012	(602) 264-4335		Susan D. Abbott	D/WBE
	<b>Marketing/Retail</b>								
	Chase Innovative Sales & Marketing	P.O. Box 6531	Chandler	AZ	85246	(602) 940-8686		Desa Larsen	D/WBE
	<b>Masonry Contracting</b>								

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	Jim Celaya & Sons Masonry	638 W. Chipman	Phoenix	AZ	85041	(602) 276-1930		Jim Celaya	D/MBE
	Rivera Masonry, Inc.	1704 W. Linden St.	Phoenix	AZ	85007-2025	(602) 252-3113	(602) 252-0012	Alberto Rivera	D/MBE
<b>Mass Transit Planning Consultants</b>									
	Manuel Padron & Associates, Inc.	1175 Peachtree St., NE, #414	Atlanta	GA	30361	(404) 873-3206	(404) 888-0418	Sue McCluskey	D/MBE
<b>Mechanical &amp; Electrical Consulting</b>									
	M-E Engineers, Inc.	4251 Kipling Street, #400	Denver	CO	80033	(303) 421-6655	(303) 421-0331	Allen Y. Tochihara	D/MBE
<b>Mechanical &amp; Utility Contractor</b>									
	Dallago Corporation	2411 East Aztec	Gallop	NM	87301	(505) 722-6638	(505) 863-9433	David R. Dallago, Sr.	D/MBE
<b>Mechanical Plumbing</b>									
<b>Electrical Engineering</b>									
	Kulkarni Engineering Co., Inc.	2130 E. Kaler Dr.	Phoenix	AZ	85020-4725	(602) 678-5993	(602) 678-0530	Yashavant V. Kulkarni	D/MBE
<b>Medical &amp; Safety Supplies Distributor</b>									
	Medicorp International	4108 E. Stanford Dr.	Phoenix	AZ	85018	(602) 840-8487	(602) 840-9545	Chau Nguyen	D/M/WB
<b>Medical Equipment Supplier</b>									
	G&A Medical Supply, Inc. dba Recover	4232 S. 37th Street	Phoenix	AZ	85040	(602) 470-0372		Nondis L. Adams	D/WBE
<b>Medical Transcription Services</b>									
<b>Word Processing, Typing &amp; Data Entry</b>									
	Phoenix Medical Transcription Services	102 E. Linger Lane	Phoenix	AZ	85020	(602) 870-3979	(602) 870-3979	Rebecca D. Kriner	D/M/WB
<b>Medical Uniforms &amp; Textile Distributor</b>									
	National Apparel Company	551 S. 48th Street, #102	Tempe	AZ	85281	(602) 894-4632	(602) 894-4648	Reba C. Goodin	D/WBE
<b>Medical, Dental &amp; X-Ray, Equipment</b>									
<b>Other Medical Equipment</b>									
	Ideal Medical Services Co.	9203 Zaka Road	Houston	TX	77054	(713) 466-6121	(713) 466-8016	Angela Buffa	D/M/WB

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<b>Metal Drawing, Wire Manufacturing</b>									
	Corella Electric Wire & Cable, Inc.	4910 W. Roosevelt Street	Phoenix	AZ	85043	(602) 272-9932	(602) 272-1376	John Corella	D/MBE
<b>Microcomputer Training &amp; Course Develop.</b>									
	Training A La Carte	2111 E. Highland #250	Phoenix	AZ	85016	(602) 224-9911	(602) 224-9912	Janet Corbosiero	D/WBE
<b>Micrographic Products Sales &amp; Service</b>									
	Mipro International, Corp.	2708 N. 68th St., #2-494	Scottsdale	AZ	85257-1209	(602) 946-6955	(602) 946-8118	Janet Rottenberg	D/WBE
<b>Mobile Environmental Analytical Laboratory Services</b>									
	Transwest Geochem, Inc.	7950 E. Acoma Dr., #103	Scottsdale	AZ	85260	(602) 443-0508	(602) 443-0422	Tracey S. Moore	D/WBE
<b>Mobile Fleet Washing of all Types of Vehicles</b>									
<b>Steam Cleaning of Buildings &amp; Concrete</b>									
	Clark's, Inc.	1363 E. Stephens Dr.	Tempe	AZ	85283	(602) 345-6166	(602) 897-0825	Jessie Clark	D/MBE
<b>Multifaceted Metal Products Supply Firm</b>									
<b>General Office Supplies</b>									
	The Mentor Group, Inc.	P.O. Box 57234	Phoenix	AZ	85079-7234	(602) 249-1225	(602) 249-1225	Susan C. McRee	D/WBE
<b>Natural Stone Construction</b>									
<b>Fabricator Of Natural Stone Products</b>									
	International Marble Distributors, Inc.	3104 S. 52nd Street	Tempe	AZ	85282-3212	(602) 438-1449	(602) 438-1550	Orla Larson	D/WBE
<b>Nursing Services</b>									
	Carrigan & Carrigan, Inc.	5125 N. 16th St., #A-104	Phoenix	AZ	85016	(602) 277-1807	(602) 277-3342	Alice M. Carrigan	D/WBE
<b>Odor Control &amp; Deodorizing Service</b>									
	Odorite Of Arizona	1093 W. Vera Ln.	Tempe	AZ	85284	(602) 893-7711	(602) 893-7711	Ann Basso	D/M/WB
<b>Office Equipment, Copiers, Faxes, Printers</b>									
	Info Data Communications, LLC	4836 E. McDowell Rd., #105	Phoenix	AZ	85008	(602) 306-1500	(602) 306-1881	Mo Peracha	D/MBE

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<b>Office Furniture Sales</b>									
	D & R Office Furniture	4131 W. Woodridge	Glendale	AZ	85308	(602) 938-0244	(602) 938-0296	Laura Ruzich	D/M/WB
<b>Office Machines/Sales &amp; Services</b>									
	U.S. Business Machines, Inc.	2855 W. Cactus Rd. #16	Phoenix	AZ	85029	(602) 863-0893	(602) 863-0895	Gail M. Atkins	D/WBE
<b>Office Management</b>									
<b>Secretarial Service</b>									
	Executive Assistance	P.O. Box 55473	Phoenix	AZ	85078-5473	(602) 992-0699	(602) 992-0910	Mary Hammond	D/WBE
<b>Office Supplies</b>									
<b>Furniture &amp; Computer Supplies</b>									
	Oasis Office Products, Inc.	4600 W. Washington Blvd.	Los Angeles	CA	90016	(213) 938-6211	(213) 938-5815	Stephen L. McGlover	D/MBE
<b>Office Supplies &amp; Products Retail</b>									
<b>Fax Service &amp; Copies</b>									
	Cartman's Office Products, Inc.	880 E. Van Buren	Goodyear	AZ	85338	(602) 932-0900	(602) 932-3383	Karen Horn	D/WBE
<b>Office Support</b>									
<b>Administration Services</b>									
	Patricia Brown Business Services	8338 E. Meadowbrook	Scottsdale	AZ	85251-1750	(602) 946-3732	(602) 949-1756	Patricia Brown	D/WBE
<b>Organizational Training &amp; Consultation</b>									
	Leslie Jenness & Associates	11774 E. Becker Ln.	Scottsdale	AZ	85259	(602) 451-6010	(602) 860-6525	Leslie Jenness	D/WBE
<b>Painting &amp; Decorating</b>									
	El Sol Painting	11256 W. Southern	Tolleson	AZ	85353	(602) 936-6943		Arthur G. Cruz	D/MBE
<b>Painting &amp; Wallcovering for Commercial Buildings</b>									
	Brooklyn, Inc.	17835 Skypark Circle, #N	Irvine	CA	92714	(602) 820-5335	(602) 820-6059	Modesto M. Rodriguez	D/MBE
<b>Painting Commercial</b>									
<b>Remodel Contractor</b>									
	Amcor Construction Co., Inc.	1201 N. 54th Ave., #112	Phoenix	AZ	85043	(602) 278-8488	(602) 278-8148	Sharon Dove Hallman	D/M/WB

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	Loman Painting, Inc.	P.O. Box 37584	Phoenix	AZ	85069	(602) 433-9366	(602) 433-9146	Mary Lohmann	D/WBE
	McCrea Painting Specialist dba, Japan-	7729 E. Harvard St.	Scottsdale	AZ	85257-1611	(602) 949-6862	(602) 941-2279	Grace Etsuko Lee	D/M/WBE
	Serrano Painting	535 W. Iron Ave., # 108	Mesa	AZ	85210	(602) 962-9088	(602) 464-1547	Oscar Serrano	D/MBE
	Simmons Quality Painting	6844 S. 44th Ct.	Phoenix	AZ	85040	(602) 438-1139	(602) 438-1139	William E. Simmons	D/MBE
	Skyline Builders & Restoration, Inc.	15202 N. Cave Creek Rd.	Phoenix	AZ	85032	(602) 941-1359	(602) 404-0843	Sally J. Cohill	D/WBE
<b>Painting, Sandblasting</b>									
<b>Special Coatings Application</b>									
	Colorcor Painting, Inc.	2801 W. Medlock Dr.	Phoenix	AZ	85017-3236	(602) 246-2600	(602) 246-2424	Mark A. Gong	D/MBE
	De Leon Painting, Inc.	1055 S. Euclid Ave.	Tucson	AZ	85719	(520) 624-5503	(520) 620-1419	Hugo De Leon	D/MBE
<b>Painting, Structures, Indoor &amp; Exterior</b>									
	Jim Tapia Painting, Inc.	5725 N. 37th Ave.	Phoenix	AZ	85019	(602) 973-8625		Jim Tapia	D/MBE
<b>Paralegal Support Services</b>									
	LF Temporary Services, Inc.	P.O. Box 41191	Phoenix	AZ	85080	(602) 942-2530	(602) 942-3476	Lisa Fain	D/WBE
<b>Paratransit Paratransit Scheduling Systems</b>									
	On-Line Data Products, Inc.	14255 N. 79th Street #3	Scottsdale	AZ	85260	(602) 483-3822	(602) 483-2339	Marsha L. Moore	D/WBE
<b>Paving &amp; Grading</b>									
<b>Asphalt &amp; Concrete</b>									
	Del Rio Contracting, Inc.,	P.O. Box 2772	Glendale	AZ	85311-2772	(602) 484-0505	(602) 484-0888	Wil Lopez	D/MBE
	Glendale Paving Corporation	5719 W. McLellan	Glendale	AZ	85301	(602) 939-2215	(602) 939-7828	Frank S. Lozano	D/MBE
	Magic Construction, Inc.	4056 E. Woodland Dr.	Phoenix	AZ	85044	(602) 759-1382	(602) 759-1382	Warren Everett	D/MBE
	Pueblo Grande Construction Company	8855 W. Avenida Del Sol	Peoria	AZ	85382	(602) 272-8687		Joseph Avina	D/MBE
	Sierra Grading & Paving Company, Inc.	5235 S. Kyrene #202	Tempe	AZ	85283	(602) 820-9578	(602) 820-9676	Peter R. Ramirez	D/MBE
<b>Pest Control</b>									
	New Era Pest Management, Inc.	2444 E. Wier Ave.	Phoenix	AZ	85040	(602) 243-7778	(602) 940-9167	Brian Hopkins	D/MBE
<b>Pipeline Contracting</b>									
<b>Underground Utilities</b>									
	Juarez Contracting, Inc.	6006 N. 83rd Ave., #201	Glendale	AZ	85303	(602) 848-6745	(602) 872-4986	Alex Juarez	D/MBE

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<b>BUS TYPE</b>	<b>NAME</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>STATE</b>	<b>ZIP</b>	<b>PHONE</b>	<b>FAX</b>	<b>CONTACT</b>	<b>D/M/WBE</b>
<b>Placing Reinforcing Steel, Wire Mesh</b>									
<b>Post-tensioning</b>									
	Endo Steel, Inc.	7 East Palo Verde Dr., #7	Gilbert	AZ	85296	(602) 829-5273	(602) 892-6258	Gary L. Werlinger	D/MBE
	Paradise Rebar, Inc.	P.O. Box 86458	Phoenix	AZ	85080	(602) 439-8349	(602) 439-8871	Joel L. Raschke	D/MBE
<b>Plumbing Contractor</b>									
<b>Remodeling</b>									
	Apache Plumbing Services, Inc.	2807 N. 24th Street	Phoenix	AZ	85008-1003	(602) 381-1525	(602) 381-0037	Paul A. Garcia	D/MBE
	Bartlett Plumbing, Inc.	557 E. Juanita, #2	Mesa	AZ	85204	(602) 926-7522	(602) 926-7533	James S. Bartlett	D/MBE
<b>Police Officers For Traffic Control</b>									
	J & K Traffic Specialist, Inc.	6658 W. Camino San Xavier	Glendale	AZ	85308	(602) 979-6931	(602) 878-6084	Juanita E. Hetchler	D/WBE
	Right Choice	P.O. Box 37011	Phoenix	AZ	85069	(602) 547-2308	(602) 547-2309	Pauline Roybal	D/WBE
	Right Choice Too	P.O. Box 37011	Phoenix	AZ	85069	(602) 547-2308	(602) 547-2309	Pauline Roybal	D/WBE
<b>Political Scientist Consultant</b>									
	Judith Lamare, Ph.D.	1823 Eleventh Street	Sacramento	CA	95814	(916) 447-4956	(916) 447-8689	Judith Lamare	D/WBE
<b>Precast Manholes Installation</b>									
	Preach Masonry, Inc.	1601 W. Hatcher	Phoenix	AZ	85021	(602) 242-2007	(602) 997-9644	Phillip L. Preach	D/MBE
<b>Press Clipping Service</b>									
<b>Research Service</b>									
	Vermillian Enterprises, Inc.	6118 N. 12th Ave.	Phoenix	AZ	85013	(602) 249-1401	(602) 246-2575	Margaret Injasoulian	D/WBE
<b>Printing Products -Blue Printing Services</b>									
<b>Arch. &amp; Engineering Supplies</b>									
	Acme Blueprint & Photocraft Co. Inc.	1425 N. First Street	Phoenix	AZ	85004	(602) 254-6171	(602) 340-0282	Delores J. McQueen	D/WBE
<b>Printing Service</b>									
<b>Binding &amp; Graphics</b>									
	First Impressions Printing Co.	1937 E. Diamond Street	Phoenix	AZ	85006-3626	(602) 256-2782	(602) 256-2784	Charlene Dean	D/M/WB
	RSE, Inc. dba Sir Speedy Printing	1555 S. Gilbert Rd., #113	Mesa	AZ	85204	(602) 969-1379	(602) 844-0294	Robin Starr	D/WBE
<b>Printing, Graphics, Offset</b>									
<b>Tech Writing</b>									

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	Mountain States Printing, Inc.	21430 N. 20th Ave.	Phoenix	AZ	85027	(602) 780-8864	(602) 784-8871	Susan J. Bushmaker	D/WBE
<b>Production Graphics Services</b>									
	Computer Country, Inc.	11343 N. 129th Way	Scottsdale	AZ	85259	(602) 451-7765	(602) 451-9290	Antoinette Mosby	D/WBE
<b>Project Management Trending</b>									
<b>Administrative Support Services</b>									
	Office Services Unlimited	8120 E. Conquistadors Dr.	Scottsdale	AZ	85255	(602) 585-7281		Carolyn S. Stock	D/WBE
<b>Promotional Products, Ad Specialties</b>									
<b>Printing of Logos on Specialty Ad Promotional Products</b>									
	Market Resource	924 E. South Fork Dr.	Phoenix	AZ	85048	(602) 460-4380	(602) 460-0311	Karen Berg	D/WBE
<b>Public Relations Services</b>									
<b>Convention &amp; Meeting Services</b>									
	Arizona Construction Services	740 E. Flynn Lane, #C	Phoenix	AZ	85014	(602) 264-4611	(602) 264-4936	Terri L. Smith	D/WBE
	Katherine Christensen & Associates	3239 E. Cottonwood Ln., #100	Phoenix	AZ	85044-7857	(602) 759-7883	(602) 759-6799	Katherine Christensen	D/WBE
	Project Information Associates	77 E. Columbus Ave. #202	Phoenix	AZ	85012	(602) 241-1818	(602) 241-0260	Gareth D. Lewis	D/MBE
	Susan Z Communications	4810 S. Beck Ave.	Tempe	AZ	85282	(602) 839-1300	(602) 756-2460	Susan Zelonicki	D/WBE
<b>Public Relations, Marketing</b>									
<b>Promotions, Advertising &amp; Writing</b>									
	MMI Associates, Inc.	14209 N. 58th Street	Scottsdale	AZ	85254	(602) 482-3709	(602) 494-4004	Patricia Briguglio	D/WBE
<b>Public Sector Management Consulting</b>									
	Portia Erickson & Associates, Inc.	7004 N. 4th Place	Phoenix	AZ	85020	(602) 331-3535	(602) 331-3517	Portia M. Erickson	D/WBE
<b>Pumps &amp; Pumping Equipment</b>									
	Pump Systems, Inc.	128 W. Boxelder, #102	Phoenix	AZ	85224	(602) 545-8484	(602) 545-8787	Peggy Donovan	D/WBE
<b>Pumps, Compressors, Industrial Sales</b>									
	Willing Pump & Supply Co., Inc.	3735 W. Cambridge Ave.	Phoenix	AZ	85009	(602) 246-6640	(602) 269-8677	C. Jean McMullin	D/WBE
<b>Real Estate &amp; Economic Development Consulting</b>									
	ESI Corporation	5333 N. 7th Street, #C-225	Phoenix	AZ	85014	(602) 265-6120	(602) 265-5919	Judie Scalise	D/WBE

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<b>Real Estate Appraisal Services</b>									
<b>Consultation Services</b>									
	Dennis L. Lopez & Associates	209 E. Baseline Rd., #205	Tempe	AZ	85283	(602) 838-7332	(602) 838-8950	Dennis L. Lopez	D/MBE
	Real Estate Science Corporation	5033 N. 19th Ave., #101	Phoenix	AZ	85015-3203	(602) 841-8200	(602) 841-0185	Theodore E. Needham, Jr., M/D/MBE	
<b>Real Estate Brokerage</b>									
<b>Property Management</b>									
	Enterprise 2000, Inc. dba Enterprise R	1308 W. Camelback Rd.	Phoenix	AZ	85013	(602) 222-9000	(602) 222-2002	Daniel Valenzuela	D/MBE
	Property Dimensions, Ltd.	1500 E. Bethany Home Rd., #100	Phoenix	AZ	85014	(602) 241-1404	(602) 241-1771	Cathy Cheshier	D/WBE
<b>Research &amp; Development (Non-Technical)</b>									
	United Management Systems, Inc.	P.O. Box 23967	Phoenix	AZ	85063-3967	(602) 848-6099	(602) 848-7216	Bernard R. Stewart	D/MBE
<b>Residential Real Estate Appraiser, SRA</b>									
	DeSantis Appraisal Services	P.O. Box 914	Scottsdale	AZ	85252	(602) 949-1107	(602) 970-6500	Sheree de Santis	D/WBE
<b>Retail Sales Of Hair Products</b>									
	Webber & Lane Corp.	730 S. 15th Ave.	Phoenix	AZ	85007	(602) 495-1952	(602) 495-1954	Ethel Lane	D/M/WB
<b>Right of Way Acquisition</b>									
<b>Relocation &amp; Related Services</b>									
	Diversified R/W Services, Inc.	77 E. Columbus Ave., #215	Phoenix	AZ	85012-2352	(602) 265-5540	(602) 265-6132	Joanne O. Boorsma	D/WBE
<b>Roadway Accessory Work</b>									
<b>Gabion Bank Protection</b>									
	Street Utility Adjusters, Inc.	716 E. Rose Garden Ln.	Phoenix	AZ	85024	(602) 254-0525	(602) 254-0732	Rebecca Mizioch	D/WBE
<b>Roof Consultant &amp; Inspection</b>									
	Lawrence Roof Consultants, Inc.	1136 E. Harmony, #102-B	Mesa	AZ	85204-5844	(602) 926-2700	(602) 926-5844	Lucinda C. Taylor	D/WBE
<b>Sale, Installation &amp; Consulting Services for Wireless Telecommuni</b>									
	PCS/Phoenix Communication Systems,	822 E. Union Hills, #2D-303	Phoenix	AZ	85024	(602) 482-9013	(602) 788-4341	Sherrie G. Jackson	D/M/WB

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<b>Sales &amp; Service of Outdoor Power</b>									
<b>Farm Equipment</b>									
	Borders Turf & Tractor, Inc.	1601 S. 59th Ave.	Phoenix	AZ	85043	(602) 278-7958	(602) 278-0744	Barbara A. Borders	D/WBE
<b>Sales &amp; Service Of Outdoor Power Equip.</b>									
	Evergreen Bike & Lawn Equipment	880 E. Van Buren Suite #102	Goodyear	AZ	85338	(602) 932-0060	(602) 932-0225	Pat A. Ritchey	D/WBE
<b>Secretarial Services</b>									
<b>Word Processing</b>									
	Dent's Secretarial Services	2721 E. Edgemont Ave.	Phoenix	AZ	85008	(602) 956-1905	(602) 956-2236	Alice M. Dent	D/WBE
	Susan's Administrative Service & Supp	1622 W. 7th Pl.	Mesa	AZ	85201	(602) 962-9374		Susan D. Stubbs	D/WBE
<b>Sheet Metal</b>									
<b>HVAC</b>									
	Ramirez Mechanical Systems, Inc.	3308 E. Madison	Phoenix	AZ	85034-2825	(602) 244-8994	(602) 275-5003	Carlos Y. Ramirez	D/MBE
<b>Shotcrete Placement</b>									
	Fisher Shotcrete, Inc.	13721 E. Morgan Dr.	Gilbert	AZ	85234	(602) 897-7824	(602) 897-7881	Janice Fisher	D/WBE
	Shotcrete Specialties	14901 S. 48th St.	Phoenix	AZ	85044	(602) 838-7412	(602) 961-3751	Mickey M. Garner	D/WBE
<b>Signs Manufacturer</b>									
	All Sign Systems, Inc.	2935 W. Fairmount Ave.	Phoenix	AZ	85017	(602) 230-0614	(602) 274-0460	Tina Lockwood Moore	D/WBE
<b>Signs, Frames, Screenprinting Installation</b>									
	Sign City	2727 E. Grant Rd.	Tucson	AZ	85716	(520) 881-8443	(602) 322-6164	Debra J. Heidrich	D/WBE
<b>Silk-Screen Printing</b>									
	Buck-Shirts	130 W. Pierson	Phoenix	AZ	85013	(602) 264-5696	(602) 264-5796	Travis Benton	D/MBE
<b>Skin Care Protection Products Distributor</b>									
	Mary Pat Healey, RN	9021 N. 39th Dr.	Phoenix	AZ	85051	(602) 934-1711	(602) 934-1711	Mary Pat Healey	D/WBE

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<b>Snack Food Wholesaler &amp; Manufacturer</b>									
	Rocking JC Southwest Foods	7441 E. Butherus, #500	Scottsdale	AZ	85260	(602) 596-0014	(602) 596-0053	Susan Carrasco	D/MBE
<b>Software &amp; Systems Support Services</b>									
<b>Software Development</b>									
	Software Analysis & Management, Inc.	2140 W. Chipman Ave., #216	Orange	CA	92668-2332	(714) 634-9383	(714) 978-9383	C. Wickramasekaran	D/M/WB
<b>Software Development</b>									
<b>System Integration</b>									
	Buzzeo, Inc.	13951 N. Scottsdale Rd., #111-A	Scottsdale	AZ	85254	(602) 596-2484	(602) 596-2486	Janine M. Buzzeo	D/WBE
<b>Special Events Manager</b>									
	Corporate Destination Servers of Arizo	11515 N. 91st St., #202	Scottsdale	AZ	85260	(602) 860-6684	(602) 860-2799	April Adams Merrill	D/WBE
<b>Steel Fencing, Guardrails, Signs-Furnish/Install</b>									
	Five G, Inc.	3801 East Superior Avenue	Phoenix	AZ	85040	(602) 437-0201	(602) 437-4937	Gail Gray	D/WBE
<b>Steel Supplier Fabrication, Erection &amp; Placement</b>									
	Primo International, Inc.	814 W. Iowa St.	Tucson	AZ	85707	(520) 889-5246	(520) 889-5246	Juan Garcia	D/MBE
<b>Storyteller, Performing Arts</b>									
	Pat Mahin, Master Storyteller	8995 E. Captain Dreyfus	Scottsdale	AZ	85260-7631	(602) 860-4123		Patricia Mahin	D/WBE
<b>Strategic Planning Consultants</b>									
	Partners For Strategic Action, Inc.	13771 Fountain Hills Blvd., #360	Fountain Hills	AZ	85268	(602) 816-1811	(602) 816-1813	Peggy A. Fiandaca	D/WBE
<b>Stress Management Training</b>									
<b>Cultural Diversity Training</b>									
	Mikel Aradhana Thurman, Stress Mana	6445 S. Maple Ave, #1055	Tempe	AZ	85283-3634	(602) 838-2595		Mikel Aradhana Thurman	D/WBE
	Stress Management 2000	1045 E. Sandpiper	Tempe	AZ	85283	(602) 838-5098		Louise Collins	D/WBE
<b>Structural Engineering</b>									
<b>Civil Engineering</b>									

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	A. K. Engineering	936 W. Meseto	Mesa	AZ	85210	(602) 839-3747	(602) 461-8442	A. K. Narasimhan	D/MBE
	Athalye Consulting Engineers	23201 Mill Creek, #240	Laguna Hills	CA	92653	(714) 837-6749	(714) 837-5128	Ashok G. Athalye	D/MBE
	Benito A. Sinclair & Associates, Inc.	325 E. Southern Ave., #120	Tempe	AZ	85282	(602) 968-2848	(602) 968-2457	Benito A. Sinclair	D/MBE
	Beyaz & Patel, Inc.	531 E. Bethany Home Rd.	Phoenix	AZ	85012-1206	(602) 241-1577	(602) 241-1579	Yogesh B. Patel	D/MBE
	Nabar Stanley Brown, Inc.	745 E. Maryland Ave., #106	Phoenix	AZ	85014-1524	(602) 265-7030	(602) 265-7114	Sateesh J. Nabar, Ph.D., P.E.	D/MBE
	Premier Engineering Corporation	4209 E. Rockwren Rd.	Phoenix	AZ	85044	(602) 759-0825	(602) 759-0825	C. Gnanasambanthan	D/MBE
	<b>Subsurface Utility Locating</b>								
	Geotrack, Inc.	1170 RT#41	Gurnee	IL	60031	(708) 244-8085	(708) 244-9536	Jonathan L. Tan	D/MBE
	<b>Supplier Of Nuts &amp; Bolts</b>								
	Drummer Electric Company, Inc.	P.O. Box 11275	Phoenix	AZ	85061	(602) 264-7020	(602) 495-1046	Linda Williams	D/WBE
	<b>Technical Writing Services</b>								
	Technical Writing Services	4063 W. Orchid Ln.	Chandler	AZ	85226	(602) 820-6352		Melanie K. Cummings	D/WBE
	<b>Telecommunication Material &amp; Supplies</b>								
	J.M.H. Communications, Inc.	325 E. Southern Ave. #104	Tempe	AZ	85282	(602) 966-7298	(602) 966-7637	Joan M. Howard	D/WBE
	<b>Telecommunications Engineering Voice/Data Installations</b>								
	<b>Project Management, Engineering Consult.</b>								
	AZTEC Communications, Inc.	6830 Barney	Houston	TX	77092	(713) 462-6707	(713) 462-2533	Alex Yañez	D/MBE
	<b>Telephone Systems Installation</b>								
	<b>Voice Data, Computer Technology</b>								
	Dawson's Telecommunications, Inc.	7419 W. Meadowbrook	Phoenix	AZ	85033	(602) 846-3082	(602) 846-3082	Lee Dawson	D/MBE
	<b>Temp. Employment Service</b>								
	Priority Staffing, Inc.	4600 S. Mill Ave., #275	Tempe	AZ	85282	(602) 491-2191	(602) 491-5702	Rick Schulte	D/MBE
	<b>Traffic</b>								
	<b>Environmental Services</b>								
	JAC Planning, Corp.	8 Bond Street, #300	Great Neck	NY	11021	(516) 487-4549	(516) 487-4576	Jean A. Celender	D/WBE

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BUS TYPE	NAME	ADDRESS	CITY	STATE	ZIP	PHONE	FAX	CONTACT	D/M/WBE
<b>Traffic Data Collection</b>									
	Traffic Research & Analysis, Inc.	3012 N. 16th Street	Phoenix	AZ	85016	(602) 266-1514	(602) 266-1103	Susan Steel Medland	D/WBE
<b>Traffic Engineering</b>									
<b>Civil Engineering</b>									
	Environmental Measurement Consultan	3866 Prospect Ave., #12	West Palm Beach	FL	33404	(407) 842-1888	(407) 842-9468	Catherine Oenbrink, P.E.	D/WBE
<b>Traffic Engineering Design, CAD Services</b>									
<b>Transportation Panning, Quality Control</b>									
	Traffic Engineering Services	1452 N. Lesueur Street	Mesa	AZ	85203	(602) 464-2747	(602) 464-2747	Susan E.C. Biegel	D/WBE
<b>Training &amp; Management Consulting</b>									
	Vicki Romero & Associates, Inc.	P. O. Box 5167	Scottsdale	AZ	85261	(602) 483-8722	(602) 483-8715	Vicki A. Romero	D/WBE
<b>Training/Partnering Facilitation</b>									
	RH & Associates	4001 E. Bell Rd., #114	Phoenix	AZ	85032	(602) 493-1947		Renee L. Hoekstra-Chilton	D/WBE
<b>Transit Planning</b>									
<b>Management Services</b>									
	The Transit Expert, Inc.	P.O. Box 637	Elizabeth	CO	80107	(303) 646-4319	(303) 660-2054	Suzanne O'Neill	D/WBE
<b>Transportation</b>									
	Solaegui Engineers, Ltd.	2100 Capurro Way, #F 2nd Fl.	Sparks	NV	89431	(702) 358-1004	(702) 358-1098	Paul W. Solaegui	D/MBE
<b>Transportation (Trucking)</b>									
	MCT Leasing Co., Inc.	7451 Pan American Freeway N.E	Albuquerque	NM	87109	(505) 345-8651	(505) 345-8659	Ted R. Martinez	D/MBE
<b>Transportation Engineering &amp; Planning</b>									
	Heffernan & Associates	4350 E. Camelback Rd., #200 F	Phoenix	AZ	85018	(602) 952-1605	(602) 952-0135	Kathryn Z. Heffernan	D/WBE
	Transportation Consulting MDA, Inc.	3400 McClure Bridge. Bld. D #A	Duluth	GA	30136	(770) 813-0882	(770) 813-0688	Marsha D. Anderson	D/WBE
<b>Transportation Planning/Survey Design</b>									

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	Applied Management & Planning Group	12300 Wilshire Blvd., #430	Los Angeles	CA	90025	(310) 820-0741	(310) 207-2964	Cheryl Stecher	D/WBE
<b>Transportation Support Services</b>									
	Roz Kraus Associates	P.O. Box 1379	Ojai	CA	93023	(805) 646-9075	(805) 640-1420	Roz Kraus	D/WBE
<b>Travel Agency Full Service</b>									
	Diversified Travel Co., Inc.	64 E. Broadway, #170	Tempe	AZ	85282	(602) 967-7855	(602) 894-8764	Marin L. Davis	D/WBE
	Native American Travel Service, Inc.	4130 N. Goldwater Blvd. #114	Scottsdale	AZ	85251	(602) 945-0771	(602) 945-0264	Tandy C. Young	D/M/WB
<b>Tree Cutting</b>									
	Marchand Company of Arizona, Inc.	761 N. Regent St.	Mesa	AZ	85205	(602) 981-7365	(601) 641-3857	Susan E. Tasso	D/WBE
<b>Truck Brokerage</b>									
	A.A.S.R. Haulers & Truck Brokerage, L	24611 S. McQueen Rd.	Chandler	AZ	85249	(602) 895-5799	(602) 895-1947	Judith G. Austin	D/WBE
<b>Truck Hauling &amp; Paving, Grading</b>									
<b>General Contracting</b>									
	Silver Rose Construction, Inc.	3435 E. Elwood	Phoenix	AZ	85040	(602) 777-5270	(602) 777-5280	Lisa Sigala	D/M/WB
<b>Trucking (Construction)</b>									
<b>Asphalt Paving, Dirt Fills</b>									
	C.M. Trucking	1451 W. Pueblo	Mesa	AZ	85202	(602) 464-9930		T. Jaen Mancini	D/M/WB
	Cordan Trucking & Enterprise	12304 N. 72nd Ave.	Peoria	AZ	85381	(602) 487-0166		Jethro Ricks	D/MBE
	Hansen Trucking	13850 E. Williams Field Rd.	Gilbert	AZ	85234	(602) 963-2545	(602) 821-8524	Mary M. Hansen	D/WBE
	Shaw Trucking, Inc.	3844-149th Avenue North East	Ham Lake	MN	55304	(612) 780-2460	(612) 780-2496	Donald H. Shaw	D/MBE
<b>Trucking (Dump Trucks)</b>									
	M & P Contracting, Inc.	3425 N. 29th Ave.	Phoenix	AZ	85017	(602) 278-7877	(602) 252-5760	Ann Hardin	D/WBE
<b>Trucking Services</b>									
	Harris & Sons Trucking/ Ethel & Sons	P.O. Box 741	Gilbert	AZ	85299-0741	(602) 892-9009	(602) 545-6099	Ethel R. Harris	D/WBE
<b>Trucking, Belly &amp; End Dump</b>									
<b>Flat Bed Trucking</b>									

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	Reece Trucking Company	1712 E. Broadway Rd, #4	Phoenix	AZ	85040	(602) 243-9796	(602) 276-1689	Melvin E. Reece	D/MBE
<b>Underground Construction Utilities</b>									
	Ductmole, Inc.	7952 W. Gold Dust Ave., #2	Peoria	AZ	85345	(602) 486-2551	(602) 486-2684	Saul Trevizo	D/MBE
<b>Upholstery, Furniture</b>									
	Mist Systems	16422 South 46th Place	Phoenix	AZ	85044	(602) 759-0595	(602) 759-2289	Lydia Avalos	D/MBE
<b>Urban Economist, Market, Fiscal Analysis</b>									
	Gruen Gruen + Associates	564 Howard Street	San Francisco	CA	94105	(415) 433-7598	(415) 989-4224	Nina Gruen	D/M/WB
<b>Urethane Foam Roofing &amp; Coatings</b>									
	Foam Experts Roofing, Inc.	P.O. Box 1423	Mesa	AZ	85211	(602) 835-5404	(602) 833-8316	Joyce Martin	D/WBE
<b>Utility Locating Service</b>									
	Pegasus Utility Locating Service	6616 E. Anbor Ave.	Mesa	AZ	85206	(602) 541-9243		Colission Wells	D/MBE
<b>Veterinary Clinic</b>									
	Santis Pet Clinic	6003 W. Thomas Rd.	Phoenix	AZ	85033-5854	(602) 247-0003	(602) 247-1907	Hugo Sanibanez	D/MBE
<b>Waste Removal &amp; Recycling Services Broker</b>									
	Desert Waste & Recycling Managemen	10640 N. 28th Dr.	Phoenix	AZ	85027	(602) 548-1588	(602) 548-3310	Juanita J. Walsh	D/WBE
<b>Water Resources</b>									
<b>Land Surveying</b>									
	Damon S. Williams Associates, L.L.C.	645 E. Missouri Ave. # 270	Phoenix	AZ	85012	(602) 265-5400	(602) 265-5632	Damon S. Williams	D/MBE
	RS Engineering, Inc.	595 S. Meyer Ave.	Tucson	AZ	85701	(520) 791-3933	(520) 791-3933	Robert M. Suarez	D/MBE
<b>Welding Contractor</b>									
<b>Structural Steel Erection &amp; Fabrication</b>									
	Moreno Welding	P.O. Box 8096	Phoenix	AZ	85040	(602) 276-9508	(602) 268-5812	Leonard Moreno	D/MBE

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<b>Welding Supplies &amp; Gases, Retail</b>									
	Tri-M Welding Supply Corp., ACC	P.O. Box 14176	Phoenix	AZ	85063	(602) 435-2622	(602) 435-2694	Barbra A. Martin	D/WBE
<b>Wholesale &amp; Retail Sales of Office Products</b>									
	Cactus Copier Supplies, Inc.	14435 N. Scottsdale Rd. Ste # 60	Scottsdale	AZ	85254	(602) 994-8624	(602) 443-8245	Linda Thrasher	D/WBE
<b>Window Covering Cleaning Service</b>									
	Desert Blind Cleaning	1910 E. Secretariat Dr.	Tempe	AZ	85284-1753	(602) 820-3130	(602) 820-3130	Anne Michals	D/WBE
<b>Window Coverings Retail Sales</b>									
	Blind Ideas & Interiors, Inc.	P.O. Box 42646	Phoenix	AZ	85080	(602) 780-1900	(602) 780-1011	Tamara L Snider	D/WBE
	Desert Blinds & Window Designs	1910 E. Secretariat Dr.	Tempe	AZ	85284-1753	(602) 820-3130	(602) 820-3130	Anne Michals	D/WBE
<b>Word Processing Supplies</b>									
<b>Computer Supplies, Network Data Cabling</b>									
	Cascade Business Supply	1918 N. Jay St.	Chandler	AZ	85224-2811	(602) 917-9175	(602) 917-9177	Mel Meeks	D/MBE
<b>Word Processing, Editing, Secretarial Services</b>									
<b>Desktop Publishing</b>									
	Executive Secretarial Services	314 N. Los Feliz Drive	Chandler	AZ	85226	(602) 732-7966	(602) 732-7966	Wanda J. McLaughlin	D/WBE

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