

59th

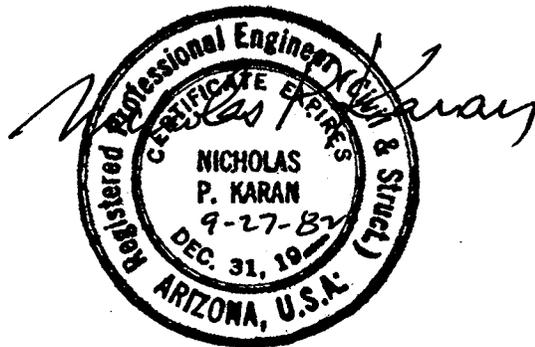
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SPECIAL PROVISIONS  
FOR

59th Avenue Bridge over  
the Relocated Arizona Canal

CONTRACT NO. FCD 82-32



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 of Maricopa County.

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

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

SUPPLEMENTARY TO MARICOPA ASSOCIATION OF GOVERNMENTS UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION EDITION OF 1979 AND REVISIONS AND SUPPLEMENTS THERETO.

October 5, 1982

FCD Contract No. 82-32

Page 1 of 1

TO CONTRACT DOCUMENTS

ENTITLED: 59th Avenue Bridge over  
Relocated Arizona Canal

OWNER: FLOOD CONTROL DISTRICT of Maricopa County

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The above documents are herein modified. The provisions of said documents applicable to these modifications remain unchanged unless specifically indicated otherwise herein. This Addendum forms a part of the Contract Documents and modifies them as follows:

1. In the section INVITATION FOR BIDS, page 1 of 5, first paragraph, change the bid received and opening time from "2:00 P.M." to "2:30 P.M."
2. In the Bidding Schedule, pages 5 and 6 of 14 and in the Alternate Bidding Schedule, pages 11 and 12 of 14, the Bidder is hereby advised that Item Numbers 525-2 Temporary Ditch Lining, 618-1 42 R.G.R.C.P. Class III, 618-2 Concrete headwall with Trashrack and 618-3 Irrigation Ditch may not be required and may be deleted during construction at the discretion of the Flood Control District. Should the items be deleted prior to their construction, the contract amount shall be reduced by the extended amounts for those items from the Bidder's Bidding Schedule.
3. In the Construction Special Provisions page 7 of 11, the first two paragraphs on the page shall be deleted. The following sentence shall be inserted: "After the traffic is returned to 59th Avenue, the Contractor shall scarify a minimum of 100 feet at each end of the detour".
4. In the Construction Special Provisions page 3 of 11 add the following section: "SECTION 105.8 CONSTRUCTION STAKES, LINES AND GRADES: The project control line and bench mark elevation are shown on the drawings and will be established by the Engineer. The Contractor shall establish offset stakes and temporary bench marks for referencing the designated construction lines and grades. The Contractor shall provide all rough grade, fine grade, and structural reference lines and shall be responsible for their conformance with the plans and specifications.

Survey work shall be performed by a qualified and experienced surveyor under the supervision of a licensed land surveyor.

No separate payment will be made for construction surveying and the cost thereof shall be included in the price bid for related items of work."

ADDENDUM NO. 1

September 30, 1982

FCD Contract No. 82-32

Page 1 of 1

TO CONTRACT DOCUMENTS

ENTITLED:

59th Avenue Bridge over  
Relocated Arizona Canal

OWNER:

FLOOD CONTROL DISTRICT of Maricopa County

---

The above documents are herein modified. The provisions of said documents applicable to these modifications remain unchanged unless specifically indicated otherwise herein. This Addendum forms a part of the Contract Documents and modifies them as follows:

1. The amount of \$350.00 per calendar day, or the actual cost per calendar day incurred by the District for Engineering and Inspection Services on this project, whichever is less, 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 the contractor for each and every calendar day that work shall remain uncompleted after the time specified for the completion of the work in the proposal, or as adjusted by the Engineer.
2. On the ALTERNATE BIDDING SCHEDULE, page 12 of 14, delete the words "Sub-Total."
3. On the ALTERNATE BIDDING SCHEDULE, page 8 of 14, change the quantity under item No. 610-1 from 233 L.F. to 306 L.F. and under item No. 610-2 change the quantity from 635 L.F. to 570 L.F.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CONTRACT NO. FCD 82-32

TABLE CONTENTS:

1. Invitation for Bids
2. Bid Form
3. Construction Special Provisions
4. No Collusion Affidavit
5. Contract
6. Statutory Payment Bond
7. Statutory Performance Bond
8. Certificate of Insurance
9. Drawings: 59th Avenue Bridge over the Relocated Arizona Canal  
Sheets 1 through 20 of 20

INVITATION FOR BIDS  
(Construction Contract)

Project: 59th Avenue Bridge over the Relocated Arizona Canal  
Ref: Invitation FCD 82-32  
Date: September 23, 1982  
Issued by: Flood Control District Maricopa County

Location: 59th Avenue, 700 ft. north of Sweetwater Avenue, Glendale, Arizona

SEALED BIDS, IN SINGLE COPY FOR THE WORK DESCRIBED HEREIN WILL BE RECEIVED UNTIL 2:00 P.M. LOCAL TIME AT THE PLACE OF THE BID OPENING, OCTOBER 15, 1982, IN THE OFFICE OF THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, 3335 WEST DURANGO STREET, PHOENIX, ARIZONA, 85009, AND AT THAT TIME PUBLICLY OPENED.

ALTERNATIVE BIDS CONSISTING OF A COMBINED PROPOSAL AS OUTLINED HEREIN AND IN SEPARATE PROPOSAL PAMPHLET IFB FCD 82-33 MAY BE SUBMITTED FOR CONSIDERATION.

BID SECURITY IN AN AMOUNT OF NOT LESS THAN FIVE PERCENT (5%) OF THE TOTAL BID PRICE MUST BE SUBMITTED WITH EACH BID. THE BID SECURITY MAY BE IN THE FORM OF A BID BOND, CASHIER'S CHECK, POSTAL MONEY ORDER, OR CASH. THE BID SECURITY WILL BE MADE PAYABLE TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY AS A GUARANTEE THAT IF THE WORK IS AWARDED TO THE BIDDER, HE WILL WITHIN TEN (10) DAYS FROM THE DATE OF SUCH AWARD, ENTER INTO PROPER CONTRACT AND BOND CONDITIONS FOR THE FAITHFUL PERFORMANCE OF THE WORK. OTHERWISE, SAID AMOUNT WILL BE FORFEITED TO THE FLOOD CONTROL DISTRICT. BID SECURITY WILL BE RETURNED AS PRESCRIBED BY MAG 103.

THE SUCCESSFUL BIDDER SHALL BE REQUIRED TO FURNISH PERFORMANCE AND PAYMENT BONDS IN PENAL SUMS NOT LESS THAN ONE HUNDRED PERCENT (100%), RESPECTIVELY, OF THE ORIGINAL AMOUNT OF THE CONTRACT.

A PRE-BID CONFERENCE WILL BE HELD AT THE FLOOD CONTROL DISTRICT OFFICES, 3335 WEST DURANGO STREET, PHOENIX, ARIZONA, ON OCTOBER 5, 1982 AT 10:00 A.M.

DESCRIPTION OF WORK:

CONSTRUCTION OF A TWO-SPAN CONTINUOUS REINFORCED CONCRETE BRIDGE, DETOUR, APPROACHES, AND RELATED ITEMS.

THE WORK SHALL COMMENCE WITHIN SEVEN ( 7 ) CALENDAR DAYS AND BE COMPLETED WITHIN SIXTY ( 60 ) CALENDAR DAYS AFTER RECEIPT OF THE NOTICE TO PROCEED.

ALTERNATE BID. THE WORK SHALL BE COMPLETED WITHIN SIXTY (60) CALENDAR DAYS AFTER RECEIPT OF THE NOTICE TO PROCEED.

NOTICE: THE BID SCHEDULE, SPECIAL PROVISIONS, INSTRUCTIONS TO BIDDERS, UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1979 EDITION (MAG) AND REVISIONS AND SUPPLEMENTS THERETO, DRAWINGS LISTED UNDER THE CONTENTS, WILL BE INCORPORATED IN AND BECOME A PART OF THE RESULTANT CONTRACT.

CHERIE PENNINGTON, CLERK  
BOARD OF DIRECTORS  
FLOOD CONTROL DISTRICT OF  
MARICOPA COUNTY

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
INVITATION FOR BIDS, FCD  
INSTRUCTIONS TO BIDDERS

1. Explanation to Bidders. Any explanations desired by the bidder, questions, or items for clarification regarding the meaning or interpretation of the invitation for bids, drawings, specification, etc., may be addressed to the Chief Engineer and General Manager, preferably in writing, prior to the pre-bid conference. Any answers, interpretations or clarifications affecting the cost will be addressed to all bidders in an addendum to the invitation. The receipt of an addendum by the bidder must be acknowledged in the space provided on the bid form or by letter or telegram received before the time set for the bid opening. Oral explanations or instructions given before the award of the contract will not be binding.
2. Conditions Affecting the Work. Bidders should visit the site and take such other steps as may be reasonably necessary to ascertain the nature of the work, the general and local conditions which can affect the work and the cost thereof. Failure to do so will not relieve bidders from responsibility for estimating properly the difficulty or cost of successfully performing the work. (See MAG 102.4)
3. Bidder's Qualifications. Before a bid is considered for award, a bidder may be requested by the Chief Engineer and General Manager of the Flood Control District to submit a statement regarding his previous experience in performing comparable work, his business and technical organization, financial resources, and plant available to be used in performing the work.
4. Bid Guarantee. Where a bid guarantee is required by the invitation for bids, failure to furnish a bid guarantee in the proper form and amount, by the time set for opening of bids, may be cause for rejection of the bid.

If the successful bidder, upon acceptance of his bid by the Flood Control District with the period specified herein for acceptance (sixty days if no period is specified) fails to execute such further contractual documents, if any, and give such bond(s) as may be required by the terms of the bid as accepted within the time specified (ten days if no period is specified) after receipt of the forms by him, his contract may be terminated for default. In such event he shall be liable for any cost of procuring the work which exceeds the amount of his bid, and the bid guarantee shall be available toward offsetting such difference.

5. Preparation of Bids. Bids shall be submitted on the forms furnished, or copies thereof, and must be manually signed. If erasures or other changes appear on the forms, each erasure or change must be initialed by the person signing the bid. Unless specifically authorized in the invitation for bids, telegraphic bids will not be considered.

No bid will be considered unless all items in the bid schedule are priced. In case of an error in the extension of price, the unit price shall govern. The quantities listed on the bid schedule on which unit prices are requested are estimates only.

Unless called for, alternate bids will not be considered.

Modifications of bids already submitted will be considered if received at the office designated in the invitation for bids by the time set for opening bids.

As an inducement for a reduction in the amount of the bid(s) submitted, an alternate bid may be submitted, consisting of a combined proposal for the construction of the 59th Avenue Bridge over the relocated Arizona Canal (IFB FCD 82-32) and the Thunderbird Road Bridge over the relocated Arizona Canal (IFB FCD 82-33).

Bidders shall acknowledge the receipt of and agree that the proposal submitted is based on any Addenda issued with or subsequent to the proposal pamphlet. Acknowledgement shall be indicated on the last page of the Bidding Schedule.

6. Submission of Bids. Bids must be sealed, addressed to the Chief Engineer and General Manager, Flood Control District of Maricopa County, 3335 West Durango, Phoenix, Arizona, 85009, and marked to identify the bid to the referenced Contract FCD Number. Failure to appropriately identify the bid may result in a premature opening of, or a failure to open, such bid. The name of the bidder shall be on the outside of the envelope. (See MAG 102.9.)
7. Withdrawal of Bids or Modifications. Bids may be withdrawn by written request received from the bidder prior to the time set for the opening of bids.
8. Public Opening of Bids. Bids will be publicly opened at the time and place set for the opening in the invitation for bids. Their content will be made public for the information of bidders and others interested who may be present either in person or by representative.
9. The contract(s) will be awarded either to the separate low bidder(s) on each bridge contract or to the low and/or best responsible bidder of the ALTERNATIVE (Combined bridge contractes).
10. Specifications. Specifications referred to herein shall include all revisions and amendments in effect on the date of issuance of the invitation for bids. These instructions, Special Instructions to Bidders, and the herein contained Construction Special Provisions supplement the Uniform Standard Specifications herein referred to by "MAG" section number of paragraph number; however, in case of conflict, these instructions and Special Provisions supersede the Uniform Standard Specifications (MAG).

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
 INVITATION FOR BIDS, FCD  
 SPECIAL INSTRUCTIONS TO BIDDERS

Location of the Work

59th Avenue, 700 ft. north of Sweetwater Avenue, Glendale, Arizona.

Contract Plans, Special Provisions and Contract Documents: Plans, Special Provisions, and forms for proposal, Bidding Schedule, Contract Agreement and Performance Bond may be obtained from the Flood Control District of Maricopa County, 3335 West Durango Street, Phoenix, Arizona, upon payment of \$10.00 by check payable to the FLOOD CONTROL DISTRICT OF MARICOPA COUNTY. This payment will not be refunded. Plans sheets may be purchased separately for a fee of \$5.00, not refundable.

APPROXIMATE QUANTITY (MAJOR ITEMS ONLY)

<u>QUANTITY</u>	<u>UNIT</u>	<u>DESCRIPTION</u>
17,454	C.Y.	Roadway Embankment
189	L.F.	42" R.G.R.C.P. Class III
1,609	Ton	Select Material
1,940	Ton	A.B.C.
746	Ton	Asphalt Concrete
1	L.S.	Removal of Improvements
151	L.F.	Cast-in-place, Concrete Piles
350.11	C.Y.	Class AA Concrete
197.31	C.Y.	Class A Concrete
119,330	lbs	Reinforcing Steel
1,885	S.Y.	Pneumatically Placed Mortar

and such other pertinent items as are necessary for the completion of the project as shown on the plans or as called for in the Special Provisions or in the Maricopa Association of Governments Uniform Standard Specifications for Public Works Construction.

CHERIE PENNINGTON, CLERK  
 BOARD OF DIRECTORS  
 FLOOD CONTROL DISTRICT OF  
 MARICOPA COUNTY

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
(Construction Contract)

BID FORM

Project: FCD 82-32

Invitation FCD 82-32  
Date: September 23, 1982

Location: 59th Avenue Bridge over the  
Relocated Arizona Canal

To: Chief Engineer and General Manager  
Flood Control District of Maricopa County  
3335 West Durango  
Phoenix, Arizona 85009

The following Proposal is made on behalf of \_\_\_\_\_

\_\_\_\_\_ and no others. The Total contract  
amount of this proposal is (in words) \_\_\_\_\_

\_\_\_\_\_ and \_\_\_\_\_/100 dollars, (in figures)

\_\_\_\_\_. This amount being the sum total of the extended  
amount for each pay item on the Bidding Schedule.

Evidence of authority to submit the Proposal is herewith furnished. The Proposal 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 Flood Control District Board of Directors is personally or financially interested, directly or indirectly in the Proposal, 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, Uniform Standard Specifications for Public Works Construction, 1979 Edition (MAG) and revisions and supplements thereto, together with the Special Provisions, forms of Contract and Bond authorized by the Board of Directors and constituting essential parts of this Proposal, have been carefully examined, and also that the site of the work 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, Specifications, Special Provisions, or conditions to be overcome, be plead. On the basis of the Plans, Specifications, Special Provisions, the forms of Contract, and the Bond 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 therefor, the sum of various products obtained by multiplying each unit price, herein bid for work or materials, by the quantity thereof actually incorporated in the completed project, as determined by the Chief Engineer and General Manager, Flood Control District of Maricopa County.

The Undersigned understands that the quantities mentioned herein are approximate 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.

Furthermore, in consideration of the proximity of the projects and the reduced mobilization and overhead costs realized therefrom, and as an inducement for the award of a single contract for the construction of both the 59th Avenue Bridge over the Relocated Arizona Canal (IFB FCD 82-32), and the Thunderbird Road Bridge over the Relocated Arizona Canal (IFB FCD 82-33), the total alternate bid contract amount of this proposal is (in words)

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and

100/dollars, (in figures) \_\_\_\_\_,

This amount being the sum total of the extended amount for each pay item on the ALTERNATE BIDDING SCHEDULE.

BIDDING SCHEDULE - Page 3 of 14

Project: 59th Avenue Bridge over the Relocated Arizona Canal  
 Detour and Approach Roadways

Contract: FCD 82-32

Item No.	Approximate Quantity	Unit	Description	Unit Cost (in writing) and /100 dollars	Unit Cost	Extended Amount
211	17,454	CY	Roadway Embankment			
301	7,297	SY	Subgrade Preparation			
310-1	1,609	TN	Select Material			
310-2	1,940	TN	Aggregate Base Course			
315	12	TON	Bituminous Prime Coat			
321-1	746	TN	C-3/4 Asphalt Concrete			
321-2	208	TN	E-3/8 Asphalt Concrete Surface Course			
340-1	615	LF	Concrete Curb & Gutter			
340-2	2,835	SF	Concrete Sidewalk			
340-3	250	SF	Concrete Driveway Entrance			

BIDDING SCHEDULE - Page 4 of 14

Project: 59th Avenue Bridge over the Relocated Arizona Canal  
 Detour and Approach Roadways

Contract: FCD 82-32

Item No.	Approximate Quantity	Unit	Description	Unit Cost (in writing) and /100 dollars	Unit Cost	Extended Amount
350-1	1	LS	Removal of Existing Improvements			
350-2	550	SY	Removal of Existing Concrete Pavement			
415	312.5	LF	Guardrail, A.D.O.T. Standard C-10.01			
415-1	7	EA	Portable Barricades			
430	1	LS	Remove & Replace Landscaping			
501	151	LF	Cast-in-place Concrete Piles			
505-1	350.11	CY	Class AA Concrete			
505-2	197.31	CY	Class A Concrete			
505-3	119,330	LBS	Reinforcing Steel			

BIDDING SCHEDULE - Page 5 of 14

Project: 59th Avenue Bridge over the Relocated Arizona Canal  
 Detour and Approach Roadways

Contract: FCD 82-32

Item No.	Approximate Quantity	Unit	Description	Unit Cost (in writing) and /100 dollars	Unit Cost	Extended Amount
520	132	LF	Steel Traffic Barrier Handrail			
525-1	1,885	SY	Pneumatically Placed Mortar			
525-2	850	SF	Temporary Ditch Lining			
550	530	LF	4" P.V.C. Conduit			
610-1	242	LF	12" Ductile Iron Pipe			
610-2	1	EA	12" Gate Valve			
610-3	10	CY	Class C Concrete for Thrust Blocks			
610-4	1	EA	Valve Box & Cover, Type A			
618-1	189	LF	42 R.G.R.C.P. Class III			

BIDDING SCHEDULE - Page 6 of 14

Project: 59th Avenue Bridge over the Relocated Arizona Canal  
 Detour and Approach Roadways

Contract: FCD 82-32

Item No.	Approximate Quantity	Unit	Description	Unit Cost (in writing) and /100 dollars	Unit Cost	Extended Amount
618-2	1	EA	Concrete Headwall with Trashrack			
618-3	223	LF	Irrigation Ditch			

The Bidder hereby acknowledges receipt of and agrees his proposal is based on the following Addenda

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Total \_\_\_\_\_

THUNDERBIRD ROAD BRIDGE OVER  
RELOCATED ARIZONA CANAL

FLOOD CONTROL DISTRICT OF  
MARICOPA COUNTY

ALTERNATE

# BIDDING SCHEDULE

PAGE 7 of 14

CONTRACT NO. 82-33

ITEM NO.	QUANTITY	UNIT	DESCRIPTION	UNIT COST IN WRITING	UNIT COST IN FIGURES	AMOUNT
211	24,600	C.Y.	FILL CONSTRUCTION			
310-1	1,129	TON	UNTREATED BASE - SELECT MATERIAL			
310-2	2,036	TON	UNTREATED BASE - AGGREGATE BASE COURSE			
321-1	4,200	S.Y.	ASPHALT CONCRETE PAVEMENT 2"-C-3/4			
321-2	5,161	S.Y.	ASPHALT CONCRETE PAVEMENT 1"-E-3/8 OVER 1 3/4"-C-3/4			
340-1	3	E.A.	CONCRETE ALLEY ENTRANCE			
340-2	408	S.Y.	CONCRETE CANAL LINING			
401	1	L.S.	TRAFFIC CONTROL			
415	614	L.F.	FLEXIBLE METAL GUARD RAIL			

THUNDERBIRD ROAD BRIDGE OVER  
RELOCATED ARIZONA CANAL

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ALTERNATE

# BIDDING SCHEDULE

PAGE 8 of 14

CONTRACT NO. 82-33

ITEM NO.	QUANTITY	UNIT	DESCRIPTION	UNIT COST IN WRITING	UNIT COST IN FIGURES	AMOUNT
505-1	259	C.Y.	CLASS "AA" CONCRETE (SPECIAL)			
505-2	372	C.Y.	CLASS "A" CONCRETE			
505-3	88,860	L.B.	REINFORCING STEEL			
520	119	L.F.	TRAFFIC RAILING			
610-1	233	L.F.	12" DUCTILE IRON WATER MAIN			
610-2	635	L.F.	12" ACP WATER MAIN			
610-3	50	L.F.	20" STEEL WATER PIPELINE			
615	1	L.S.	15" SANITARY SEWER LINE CONSTRUCTION			

## ALTERNATE

BIDDING SCHEDULE - Page 9 of 14

Project: 59th Avenue Bridge over the Relocated Arizona Canal  
 Detour and Approach Roadways

Contract: FCD 82-32

Item No.	Approximate Quantity	Unit	Description	Unit Cost (in writing) and /100 dollars	Unit Cost	Extended Amount
211	17,454	CY	Roadway Embankment			
301	7,297	SY	Subgrade Preparation			
310-1	1,609	TN	Select Material			
310-2	1,940	TN	Aggregate Base Course			
315	12	TON	Bituminous Prime Coat			
321-1	746	TN	C-3/4 Asphalt Concrete			
321-2	208	TN	E-3/8 Asphalt Concrete Surface Course			
340-1	615	LF	Concrete Curb & Gutter			
340-2	2,835	SF	Concrete Sidewalk			
340-3	250	SF	Concrete Driveway Entrance			

## ALTERNATE

BIDDING SCHEDULE - Page 10 of 14

Project: 59th Avenue Bridge over the Relocated Arizona Canal  
 Detour and Approach Roadways

Contract: FCD 82-32

Item No.	Approximate Quantity	Unit	Description	Unit Cost (in writing) and /100 dollars	Unit Cost	Extended Amount
350-1	1	LS	Removal of Existing Improvements			
350-2	550	SY	Removal of Existing Concrete Pavement			
415	312.5	LF	Guardrail, A.D.O.T. Standard C-10.01			
415-1	7	EA	Portable Barricades			
430	1	LS	Remove & Replace Landscaping			
501	151	LF	Cast-in-place Concrete Piles			
505-1	350.11	CY	Class AA Concrete			
505-2	197.31	CY	Class A Concrete			
505-3	119,330	LBS	Reinforcing Steel			

## ALTERNATE

BIDDING SCHEDULE - Page 11 of 14

Project: 59th Avenue Bridge over the Relocated Arizona Canal  
 Detour and Approach Roadways

Contract: FCD 82-32

Item No.	Approximate Quantity	Unit	Description	Unit Cost (in writing) and /100 dollars	Unit Cost	Extended Amount
520	132	LF	Steel Traffic Barrier Handrail			
525-1	1,885	SY	Pneumatically Placed Mortar			
525-2	850	SF	Temporary Ditch Lining			
550	530	LF	4" P.V.C. Conduit			
610-1	242	LF	12" Ductile Iron Pipe			
610-2	1	EA	12" Gate Valve			
610-3	10	CY	Class C Concrete for Thrust Blocks			
610-4	1	EA	Valve Box & Cover, Type A			
618-1	189	LF	42 R.G.R.C.P. Class III			

ALTERNATE

BIDDING SCHEDULE - Page 12 of 14

Project: 59th Avenue Bridge over the Relocated Arizona Canal  
 Detour and Approach Roadways

Contract: FCD 82-32

Item No.	Approximate Quantity	Unit	Description	Unit Cost (in writing) and /100 dollars	Unit Cost	Extended Amount
618-2	1	EA	Concrete Headwall with Trashrack			
618-3	223	LF	Irrigation Ditch			

The Bidder hereby acknowledges receipt of and agrees his proposal is based on the following Addenda

Sub-Total \_\_\_\_\_

TOTAL ALTERNATE BID \_\_\_\_\_

Combined total for construction of:  
 59th Avenue Bridge over the Relocated Arizona Canal and the  
 Thunderbird Road Bridge over the Relocated Arizona Canal.

The Undersigned further proposes to execute the Contract Agreement and furnish satisfactory Bonds within ten (10) days from the date of award, time being of the essence. The Undersigned further proposes to begin the work as specified in the Contract attached hereto, and to complete the work within the time limits as specified in the Special Provisions and maintain at all times a Contract Bond, approved by the Board of Directors, in an amount equal to one hundred percent (100%) of the total bid. 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 Bond to be in full force and effect until the work is finally accepted and the provisions of the Plans, Specifications, and Special Provisions are fulfilled.

A Proposal guaranty in the amount and character named in the Invitation for Bids is enclosed amounting to not less than five percent (5%) of the total bid, which Proposal guaranty is submitted as a guaranty of the good faith of the Bidder and that the Bidder will enter into written contract, as provided, to do the work, if successful in securing the award thereof; and it is hereby agreed that if at any time other than as provided in the Proposal requirements and conditions the Undersigned should withdraw this Proposal, or if the Proposal is accepted and there should be failure on the part of the Undersigned to execute the Contract and furnish satisfactory Bond 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 Proposal guaranty as liquidated damages.

Date: \_\_\_\_\_, 19\_\_\_\_.

IF BY AN INDIVIDUAL:

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

IF BY A FIRM OR PARTNERSHIP:

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

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

\*Name and Address of Each Member:

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Date: \_\_\_\_\_, 19\_\_\_\_.

IF BY A CORPORATION:

\_\_\_\_\_  
(Corporate Name) (Corporation Address)

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

\*\*Incorporated under the Laws of \_\_\_\_\_

Names and Addresses of Officers:

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

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

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

\*The name and post office address of each member of the firm or partnership must be shown.

\*\*The name of the State under which the laws of the Corporation was chartered and names, title, and business address of the President, Secretary, and Treasurer must be shown.

CONSTRUCTION SPECIAL PROVISIONS  
FLOOD CONTROL DISTRICT  
OF MARICOPA COUNTY  
59TH AVENUE BRIDGE OVER  
THE RELOCATED ARIZONA CANAL  
DETOUR & APPROACH ROADWAYS  
FCD-82-32

LOCATION OF THE WORK: This project is located on 59th Avenue over the relocated Arizona Canal and is approximately 700 feet north of the intersection of Sweetwater Avenue.

PROPOSED WORK: The work consists of constructing a two-span continuous reinforced concrete bridge, detour, south approach roadway, a temporary north approach and other miscellaneous items of work required for the completion of the project.

SPECIFICATIONS: The work embraced herein and as shown on the plans for the construction of this project shall be done in accordance with the Maricopa Association of Governments' Uniform Standard Specifications for Public Works Construction, dated 1979, and the current revisions thereto, together with the Maricopa County Highway Department Supplement to the Uniform Standard Specifications, adopted August 3, 1981, and October 19, 1981, and the Construction Special Provisions contained herein.

CONTRACT TIME: The Contractor shall complete all work on the project within sixty (60) calendar days after the Notice to Proceed. If the contract is awarded on the ALTERNATE BID, the total time allowed for completion of all work on the project shall be sixty (60) calendar days after Notice to Proceed.

PROGRESS SCHEDULE: The Contractor shall submit his proposed work progress schedule to the Engineer for approval before starting the work.

ITEM COMMENTS: The herein contained Construction Special Provisions supplement the Uniform Standard Specifications and the Maricopa County Highway Department Supplement to the Uniform Standard Specifications; however, in case of conflict, these Special Provisions supersede the Uniform Standard Specifications and the Maricopa County Supplement.

MATERIAL SOURCES: Fill for the roadway embankment and the portion of the relocated Arizona Canal closure may be obtained from roadway excavation and from the future Arizona Canal Diversion Channel. Excavation in the future channel shall be to the lines and grades as shown on the plans. The excavation shall be uniform and the area shall be bladed to a level condition upon completion. Select material, aggregate base and mineral aggregate may be obtained from commercial sources. However, if the Contractor elects to secure material from other sources, he shall pay all royalties or any other charges or expenses incurred in connection with the securing and hauling of the material. The Contractor will be required to furnish the Engineer with a list of his proposed commercial sources prior to use, and shall present satisfactory evidence that the material produced from any commercial source will meet Maricopa County Standard Specifications and these Special Provisions for such material.

SOIL BORING REPORT: A copy of the soil boring report is available for viewing at the offices of the Maricopa County Flood Control District.

WORK STANDARDS: The Contractor shall comply with Sections 103 and 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 327-330) as supplemented by Department of Labor Regulations (29 CFS Part 5).

WATER, LIGHT, POWER, HEAT, TELEPHONE: All water for construction purposes, drinking water, lighting, temporary electric power, heat, and telephone service shall be arranged for and provided for the requirements of the work by the Contractor at his expense.

PROGRESS SCHEDULE: The Contractor shall submit his proposed work progress schedule to the Engineer for approval before starting the work.

SUBSECTION 101.2 - DEFINITIONS AND TERMS: Change the definition of Budget Project to read as follows: A project financed by funds set aside in the annual budget or otherwise approved by the Board of Directors of the Flood Control District of Maricopa County.

Change the definition of Engineer to read as follows: The Chief Engineer and General Manager of the Flood Control District of Maricopa County acting directly or through his duly authorized representative.

Change the definition of Owner to read as follows: The Flood Control District of Maricopa County, acting through its legally constituted officials, officers or employees.

SECTION 102 - ADDENDA & SUBMISSION OF BIDDING SCHEDULE: It shall be the responsibility of prospective bidders to determine, prior to submission of a bid, if any addenda have been issued. This may be accomplished by calling 602-262-1501. Any addendum issued, if not already bound into the Special Provisions, must be included as a part of the Special Provisions, and any quantities on the Bidding Schedule requiring change shall be adjusted by pen and ink to the new figure.

Bids that do not include appropriate addenda and show appropriate changes to the Bidding Schedule shall be invalid.

SECTION 102.5 - PREPARATION OF PROPOSAL: The bidder's Arizona State Contractor's License number and classification need not be shown on the proposal. The possession of such a license is no longer a bidding requirement; however, the Contractor may be required to provide certification of prior satisfactory completion for similar construction.

SECTION 103.6 - CONTRACTOR'S INSURANCE: Concurrently with the execution of the contract, the Contractor shall furnish a Certificate of Insurance. The types of insurance and the limits of liability shall be as indicated thereon, i.e.

\$ 500,000	bodily injury per person
1,000,000	bodily injury each occurrence
500,000	property damage

SECTION 105.2 - PLANS AND SHOP DRAWINGS: The number of copies of shop drawings required for review and/or approval shall be as follows:

Initial submittal: Three (3) copies. One (1) copy will be returned to the Contractor.

Final Submittal: Five (5) copies. Two (2) copies will be returned to the Contractor.

SECTION 105.6 - COOPERATION WITH UTILITIES: Should the Contractor's operations result in damage to any utility the location of which has been brought to his attention, he shall assume full responsibility for such damage.

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

Flood Control District.....	262-1501
Mountain Bell Telephone Company.....	263-3219
Salt River Project.....	273-2202
Arizona Public Service.....	271-7014
Location Staking (A.P.S., Mtn. Bell, S.R.P.).....	263-1100
City of Glendale.....	931-5673
Maricopa County Highway Department.....	262-3631

SECTION 205 ROADWAY EXCAVATION: Roadway excavation shall conform to Section 205 of the Uniform Standard Specifications.

No separate payment will be made for this item. Payment for all work under this section, including watering and compacting, shall be included in ITEM 211 - FILL CONSTRUCTION.

SECTION 206 - STRUCTURE EXCAVATION AND BACKFILL: Structure excavation and backfill shall conform to Section 206 of the Uniform Standard Specifications. The limits of structure excavation and backfill shall be as indicated on the plans.

The area behind the abutments shall be compacted in accordance with Table 601-2, Type I of the Uniform Standard Specifications.

All backfill against the bridge abutments shall consist of free-draining granular material. Backfill should be placed in horizontal lifts consistent with the maximum material size and type of compaction equipment in use and to a minimum of 95% of the maximum density at the optimum moisture content plus or minus 3% as determined in accordance with ASTM D1557. Compaction equipment should be maintained at least two (2) feet from the structure.

No separate payment will be made for structure excavation and backfill and the cost of these items shall be included in the contract price bid for related items.

SECTION 210 - BORROW EXCAVATION: Borrow excavation shall consist of the furnishing and placing of borrow material in the roadway embankments and the relocated Arizona Canal closure in accordance with Section 210 of the Uniform Standard Specifications and as shown on the plans. The fill required to construct the new canal section shall meet the requirements of the Salt River Valley Water Users Association.

No separate payment will be made for this item. Payment for all work under this section, including watering and compacting, shall be included in ITEM 211 - FILL CONSTRUCTION.

SECTION 211 - FILL CONSTRUCTION: The work under this section consists of constructing embankments for the detour, approach roadway, and the Relocated Arizona Canal. The material required for the construction of the fill shall be suitable material obtained from roadway excavation on the Arizona Canal Diversion Channel excavation and shall be free of all debris and vegetation.

Prior to the placement of fill material, all loose soil, vegetation, any roadside debris, concrete pavement, and existing structures within the proposed fill areas shall be completely removed. Depressions and ditches shall be cleaned of all loose or wet soils and widened to accommodate compaction equipment. Sloping surfaces shall be benched to provide a level surface for fill placement.

All exposed subgrade surfaces shall be scarified, brought to the proper moisture content and compacted for a minimum depth of eight (8) inches.

The fill shall be compacted in horizontal lifts to subbase level. The depth of the uncompacted lifts shall not exceed eight (8) inches.

Compaction shall be to a minimum of 95% of the maximum density as determined in accordance with ASTM D1557 within a moisture content range of plus or minus 3% of optimum.

The earthwork quantities shown on the plans are approximate and were determined during the design process. They are included to aid the bidder in formulating his bid.

The quantity of fill required will be measured in its final position. Volume will be computed by the average end area method.

Payment for all work under this section will be made at the unit price bid per cubic yard for ITEM 211 - ROADWAY EMBANKMENT.

SECTION 301 - SUBGRADE PREPARATION: Subgrade preparation shall consist of shaping the roadway subgrades to the grades and cross-sections for the new detour road and the bridge approaches as shown on the plans and in accordance with Section 301 of the Uniform Standard Specifications.

This item shall also include all work necessary for the construction of ditches, any excavation, filling, grading, shaping and miscellaneous grading work between the back of curb or edge of pavement and the right-of-way or construction easement.

Disposal of waste material shall conform to Section 210 of the Uniform Standard Specifications:

Subsection 301.3 - RELATIVE COMPACTION, should be modified as follows:

- |                                    |            |
|------------------------------------|------------|
| (B) Other streets and traffic ways | 95 percent |
| (C) Curbs, gutters and sidewalks   | 90 percent |

Payment for all work under this section shall be at the contract unit price per square yard bid for ITEM 301 - SUBGRADE PREPARATION.

SECTION 310 - UNTREATED BASE: Select Material and Aggregate Base shall conform to the requirements of Section 702 of the Uniform Standard Specifications. Select Material and Aggregate Base shall be crushed in accordance with Section 702.2. Select Material shall be Type "A."

The Contractor will be required to furnish the Engineer certified weight tickets covering all of the Select Material and Aggregate Base placed on the project. Final pay quantities will be based upon the scale tickets accepted by the Engineer.

SECTION 315 - BITUMINOUS PRIME COAT: The bituminous material shall be Grade MC-70 or MC-250 liquid asphalt. Prime coat shall be applied at the rate of 0.4 gallon per square yard unless otherwise specified by the Engineer. The Engineer shall determine whether prime coat will be used.

SECTION 321 - ASPHALT CONCRETE PAVEMENT: Asphalt concrete pavement shall consist of furnishing and placing a plant-mixed asphalt concrete road surfacing material to the compacted thickness shown on the plans and in accordance with Section 321 of the Uniform Standard Specifications.

Bituminous material shall be AR-4000 paving asphalt conforming to Section 710 and 711 of the Uniform Standard Specifications or AC-30 complying with ADOT Table 705-1 as modified October 16, 1981.

The mineral aggregate shall meet the grading requirements within the range of the specified tolerances for Mix-Designation C-3/4 or E-3/8 in accordance with Section 710 of the Uniform Standard Specifications and Maricopa County Highway Department Supplement to the Uniform Standard Specifications.

The work shall fully comply with Section 321 except that no mineral filler or blending sand will be required.

In addition to pugmill type mixing plants, drum dryer mixers will be allowed in accordance with the Uniform Standard Specifications Section 710.8. The moisture content of the bituminous mixture immediately behind the paver shall not exceed three percent. If a drum dryer is used, the type of oil shall be AR-8000 or AC-30 as specified above.

The proper proportioning of the material at the cold feed shall be determined by the Contractor and approved by the Engineer prior to the production of asphalt concrete. Production shall not commence until calibration tests indicate that an acceptable product can be obtained.

The correct proportions of each aggregate size introduced into the mixer shall be drawn from the storage bins by an approved type of continuous feeder which shall supply the correct amount of aggregate in proportion to the bituminous material and shall be so arranged that the proportion of each aggregate size can be separately adjusted. The continuous feeder for the aggregate may be mechanically or electrically activated.

The plant shall be equipped with a sampling device to take representative composite samples of the cold feed. If tests indicate non-compliance with specifications, operation shall cease until proper corrections have been made.

The production of the plant shall be governed by the rate required to obtain a thorough and uniform mixture of the materials. Mixing shall continue until the uniformity of coating, when tested in accordance with the requirements of AASHTO T-195, is at least 95 percent.

The Contractor shall furnish certified weight tickets covering all plant-mixed asphalt concrete placed on the project.

Payment for this item will be made at the contract unit price bid per ton for ITEM 321-1 C-3/4 - ASPHALT CONCRETE and ITEM 321-2 E-3/8 - ASPHALT CONCRETE SURFACE COURSE.

SECTION 340 - CONCRETE CURB AND GUTTER, SIDEWALK AND DRIVEWAYS: Work under this item shall conform to Section 340 of the Uniform Standard Specifications and shall include concrete curb and gutter, concrete sidewalk and concrete driveway entrance.

All concrete shall be Class B and shall conform to Section 725 of the Uniform Standard Specifications.

All concrete items shall conform to the Standard Details and the details shown on the plans.

Payment for these items will be made at the unit price bid per lineal foot for ITEM 340-1 - CONCRETE CURB & GUTTER, or the unit price bid per square foot for ITEM 340-2 - CONCRETE SIDEWALK, and ITEM 340-3 - CONCRETE DRIVEWAY ENTRANCE.

SECTION 350 - REMOVAL OF EXISTING IMPROVEMENTS: The work under this section shall consist of removing and disposing of any obstacle to construction whether it is shown on the plans or not, unless it is specifically called out on the plans to be removed or relocated by other agencies, and shall be in accordance with Section 350 of the Uniform Standard Specifications.

The removal of the existing asphalt concrete pavement necessary to construct the new pavement and the removal of the asphalt concrete surface on the detour at the end of construction shall be included in this item.

Excavation and fill necessary to remove the existing concrete pavement will be paid for under their respective items.

The disposal of all waste materials removed under this item shall be the responsibility of the Contractor. The disposal site shall be approved by the Engineer.

If a Maricopa County landfill is selected for disposition of road construction waste and/or debris, a Maricopa County Landfill Use Permit will be required. Application for permit can be made at the Maricopa County Landfill Office, located at 3325 West Durango Street, Phoenix, Arizona 85009 (Telephone 269-2661). Charges will be levied on a volume basis for each load delivered to the landfill in accordance with the current fee schedule.

After the traffic is returned to 59th Avenue, the Contractor shall remove the surfacing on the detour and scarify a minimum of 100 feet at each end. The disposal of the asphaltic concrete shall be the responsibility of the Contractor.

The 4" aggregate base course shall be removed and stockpiled on the site at a location designated by the Engineer. The Contractor shall accomplish the removal in a manner that will minimize the contamination of the material.

Payment for this item will be made at the contract lump sum price bid for ITEM 350-1 - REMOVAL OF EXISTING IMPROVEMENTS and the contract price per square yard for ITEM 350-2 - REMOVAL OF EXISTING CONCRETE PAVEMENT.

SECTION 401 - TRAFFIC CONTROL: Traffic control shall conform to the applicable paragraphs of Section 401 of the Uniform Standard Specifications.

The Contractor shall install and maintain deceleration sand berms (approximately five feet high) in the path of through traffic prior to bridge construction activity. Sand berms shall not be removed without the concurrence of the Engineer.

Road closed and detour signs along with barricades shall be placed in front of sand berms. Construction zone warning signs (48 inches in size) shall be placed north and south of the bridge during construction activity. Additional signing shall be required during approach road construction.

Contractor shall not reduce lanes on 59th Avenue or the detour without approval of the Engineer.

SECTION 415 - FLEXIBLE METAL GUARDRAIL: The work under this item shall conform to the Arizona Department of Transportation Standards C-10.01, C-10.01.1, C-10.12, C-10.13; Section 415 of the Uniform Standard Specifications; and the details shown on the plans.

Payment will be made at the contract unit price bid per lineal foot for ITEM 415 - GUARDRAIL, ADOT STANDARD C-10.01.

SECTION 415-1 - PORTABLE BARRICADES: The work under this item shall consist of furnishing and installing portable barricades at the location shown on the plans and in accordance with the Uniform Standard Specifications.

The barricade, constructed on bases, shall conform to M.A.G. Standard Detail 130, Type A. Each barricade shall be sand bagged with a minimum weight of 400 lbs. to prevent movement or overturning.

The barricades shall be installed prior to the contractor changing the traffic back to the 59th Avenue alignment.

Warning signs will be furnished by the City of Glendale.

Payment will be made at the unit price bid for ITEM 415-1 - PORTABLE BARRICADES.

SECTION 424 - PARKWAY GRADING: Parkway grading shall be in accordance with Section 424 of the Uniform Standard Specifications.

Parkway grading will not be a separate pay item and all costs for this item shall be included under ITEM 301 - SUBGRADE PREPARATION.

SECTION 430 - REMOVE AND REPLACE LANDSCAPING: The work under this section shall conform to Section 430 of the Uniform Standard Specifications.

The existing landscaping on the west side of 59th Avenue from Station 28+00 to Station 33+80 and all appurtenances shall be removed during construction of the roadway fill and replaced at the completion of the grading. The Contractor may either salvage the existing plants or provide new plants of the same type and size; however, the provisions of Sections 430.8 and 430.9 of the Uniform Standard Specifications shall apply to this work.

Payment will be at the lump sum price bid for ITEM 430 - REMOVE AND REPLACE LANDSCAPING.

SECTION 501 - CAST-IN-PLACE CONCRETE PILES: All holes for concrete piles cast in drilled holes shall be drilled dry to a minimum elevation of 1204.0 at abutments. All holes shall be examined for straightness and any hole which, on visual inspection from the top, shows less than one-half the diameter of the hole at the bottom shall be rejected and redrilled at no additional cost to the Flood Control District. Suitable casings shall be furnished and placed when required to prevent caving of the hole before concrete is placed therein.

All loose material existing at the bottom of the hole after drilling operations have been completed shall be removed before placing concrete in the hole. Material resulting from drilling holes shall be used in the adjacent roadway or disposed of as directed.

Before any personnel enter the caisson drill holes for cleaning or inspection purposes, the Contractor shall install a suitable casing or shield for protection against caving.

The use of water for drilling operations or for any other purpose where it may enter the hole will not be permitted. Surface water shall not be permitted to enter the hole, and all water that may have infiltrated the hole shall be removed from the hole before concrete is placed therein. The bottom of the casing shall be maintained not less than one foot below the top of the concrete during withdrawal and placing operations, unless otherwise permitted by the Engineer.

The reinforcing cage shall be placed and secured symmetrically about the axis of the pile and shall be securely blocked to clear the sides of the hole. After the hole has been filled with concrete, the concrete shall be vibrated to insure that the concrete in the hole is dense and homogeneous.

Cast-in-place concrete piles shall be measured by the lineal foot, measured from the bottom of cap beam elevation to the pile tip elevation.

Payment for this item will be at the unit price bid for ITEM 501 - CAST-IN-PLACE CONCRETE PILES, the price of which shall be full compensation for furnishing all labor, material except reinforcing steel, and incidentals necessary to complete the item. Payment for reinforcing steel used in the cast-in-place concrete piles will be at the unit price bid per lineal foot for ITEM 505-3 - REINFORCING STEEL.

SECTION 505 - CONCRETE STRUCTURES: The work under this section shall consist of furnishing all labor, materials and equipment for the construction of the cast-in-place concrete portions of the bridge structure, including the approach slabs and sidewalks, in accordance with the plans and Section 505 of the Uniform Standard Specifications. Concrete and reinforcing steel shall conform to the requirements of Sections 725 and 727, respectively, of the Uniform Standard Specifications.

Structural steel items imbedded in the concrete are incidental to Class AA concrete.

No separate payment will be made by grade for reinforcing steel Grade 40 and Grade 60. Reinforcing steel shall be included in the unit price bid for Item 505-3.

Payment for all work under this section will be made at the unit price bid per cubic yard for ITEM 505-1 - CLASS AA CONCRETE and ITEM 505-2 - CLASS A CONCRETE and the contract unit price bid per pound for ITEM 505-3 - REINFORCING STEEL.

SECTION 520 - STEEL HANDRAIL: The work under this section consists of the construction of a steel traffic barrier handrail on the bridge deck and abutments as shown on the plans and in accordance with Section 520 of the Uniform Standard Specifications.

Payment for this item will be made at the contract unit price bid per lineal foot for ITEM 520 - STEEL TRAFFIC BARRIER HANDRAIL.

SECTION 525 - PNEUMATICALLY-PLACED MORTAR: This item shall consist of placing the new canal lining in the Relocated Arizona Canal and the lining required in the temporary irrigation ditch and shall conform to Section 525 of the Uniform Specifications and the specifications of the Salt River Valley Water Users Association.

The lining of the temporary irrigation ditch may be hand-placed mortar conforming to the requirements of the Salt River Valley Water Users Association.

Payment will be made at the unit price bid per square yard for ITEM 525-1 - PNEUMATICALLY PLACED MORTAR and the unit price bid per square foot for ITEM 525-2 - TEMPORARY DITCH LINING.

SECTION 550 - P.V.C. CONDUIT: The work under this section shall consist of furnishing and installing 4" nominal diameter poly-vinyl chloride conduit in the sidewalk of the bridge structure according to the details shown on the plans and the applicable requirements of the Uniform Standard Specifications.

The P.V.C. conduit shall conform to A.S.T.M. D-1784 with a standard diameter ratio of 40 maximum.

Measurement shall be by the lineal foot installed in the structure.

Payment shall be at the unit price bid per foot for ITEM 550 - 4" P.V.C. CONDUIT and shall include the cost of furnishing, installing, plugging, and all incidental work required to provide the item complete-in-place.

SECTION 610 - 12" WATER LINE: The work under this section consists of the construction of the new 12" water line bypass on the east side of the new structure as shown on the plans and in accordance with Section 610 of the Uniform Standard Specifications.

The water line shall be 12" mechanical joint ductile iron pipe, class 200.

The gate valve shall be 12", with a non-rising stem, and shall meet the requirements of AWWA 175 and these specifications.

Measurement shall be in accordance with Section 610.18 of the Uniform Standard Specifications.

Payment will be made at the unit price bid for ITEM 610-1 - 12" DUCTILE IRON PIPE, ITEM 610-2 - 12" GATE VALVE, ITEM 610-3 - CLASS C CONCRETE FOR THRUST BLOCKS, and ITEM 610-4 - VALVE BOX AND COVER TYPE A.

SECTION 634 - DIRT DITCH: The work under this section consists of constructing the irrigation ditch as indicated on the plans and in accordance with the applicable provisions of Section 205 of the Uniform Standard Specifications.

Measurement of this item will be made to the nearest lineal foot.

Payment for all work under this section will be made at the unit price bid per lineal foot for ITEM NO. 634 - IRRIGATION DITCH.

GENERAL COMMENTS: The cost of all work required under this contract as shown on the plans for which there are no specific items shown on the Bidding Schedule shall be included in the prices bid for related items.

An attempt has been made to determine the location of all underground utilities; however, it shall be the Contractor's responsibility to cooperate with the pertinent utility companies so that any obstructing utility installation may be adjusted.

Any facility or work that may be performed for the accommodation of any utility shall be paid for by the utility owner. The Contractor shall make all arrangements that may be necessary for the construction and any financial agreement shall be solely between the Contractor and the utility owner.

The Contractor shall coordinate his work with the Salt River Valley Water Users Association forces during the installation of their facilities on this project.

The Flood Control District reserves the right to adjust design grades or the location of drainage structures prior to construction, if it should become necessary in the opinion of the Engineer, without additional cost to the District.

It shall be the Contractor's responsibility to protect the structure and construction site from damage that may occur during the construction period and until final acceptance of the completed bridge by the Flood Control District.

Upon completion of the construction, the Contractor shall clear the work area of all debris to the satisfaction of the Engineer.

No vehicular loads will be permitted on the bridge before the lapse of twenty-one (21) days from the date of the last pour of concrete for the bridge deck, unless approval is obtained in writing from the Engineer. The Contractor shall take special precautions to keep the area around the bridge properly barricaded and marked with flares to prevent automotive traffic from crossing the new bridge structure prior to the acceptance of the completed project by the Flood Control District Engineer. The installation of any necessary conduits, brackets, or piping or any other facility or work which may be performed for the accommodation of any utility, shall be paid for by the utility owner. The Contractor shall make all arrangements that may be necessary for the construction and any financial agreement shall be solely between the Contractor and the utility owner.

GUARANTEE: The Contractor shall guarantee the structures for one year against faulty materials, faulty workmanship, and failure to meet the specifications requirements. Said guarantee by the Contractor shall not apply to damage caused by earthquakes or other acts of God, land subsidence or faulty operations or any abuse of the structures by others.



CONTRACT

THIS AGREEMENT, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 19 \_\_, by and between \_\_\_\_\_

of the City of \_\_\_\_\_, County of \_\_\_\_\_, State of \_\_\_\_\_, party of the first part, hereinafter designated the CONTRACTOR, and the FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, acting by and through its BOARD OF DIRECTORS, a political subdivision of the State of Arizona, a body politic with corporate power, party of the second part, hereinafter designated OWNER.

WITNESSETH: That the said Contractor, for and in consideration of the sum to be paid him by the said Owner, in the manner and at the time hereinafter provided, and of the other covenants and agreements herein contained, and under the penalties expressed in the bonds provided, hereby agrees, for himself, his heirs, executors, administrators, successors, and assigns to as follows:

ARTICLE I-SCOPE OF WORK: The contractor shall furnish any and all labor, materials, equipment, transportation, utilities, services and facilities required to perform all work for the construction of Project No. \_\_\_\_\_

and to completely and totally construct the same and install the material therein for the Owner, in a good and workmanlike and substantial manner and to the satisfaction of the Owner through its Engineers and under the direction and supervision of the Engineer, or his properly authorized agents and strictly pursuant to and in conformity with the Plans and Specifications prepared by the Engineers for the Owner, and with such modifications of the same and other documents that may be made by the Owner through the Engineer or his properly authorized agents, as provided herein.

ARTICLE II-CONTRACT DOCUMENTS: The Invitation for Bids, Plans, Standard Specifications and Details, Special Provisions, Addenda, if any, and Proposal, as accepted by the BOARD OF DIRECTORS, Performance Bond, Payment Bond, Certificates of Insurance, and Change Orders, if any, are by this reference made a part of this Contract to the same extent as if set forth herein in full.

ARTICLE III-TIME OF COMPLETION: The Contractor further covenants and agrees at his 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 the time, or times, stated in the proposal pamphlet.

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 his 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 within forty (40) days after final inspection and acceptance of the work.

IN WITNESS WHEREOF: Four (4) 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.

The Contractor agrees that this Contract, as awarded, is for the stated work, and understands that payment for the total work will be made on the basis of the indicated amount(s), as bid in the Proposal.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
PARTY OF SECOND PART

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

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

RECOMMENDED BY:

ATTEST:

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

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

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, State of Arizona (hereinafter called the Obligee)  
in the amount of \_\_\_\_\_  
dollars (\_\_\_\_\_), 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  
Obligee, dated the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, for \_\_\_\_\_

\_\_\_\_\_ 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 said  
Principal shall promptly pay all moneys due to all persons supplying labor or  
materials to him or his subcontractors in the prosecution of the work provided  
for in said contract, then this obligation shall be void, otherwise to remain in  
full force and effect.

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

The prevailing party or any party which recovers judgment on this bond shall  
be entitled to such reasonable attorney's fees as may be fixed by the court or a  
judge thereof.

Witness our hands this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

\_\_\_\_\_  
PRINCIPAL SEAL

\_\_\_\_\_  
AGENCY OF RECORD

BY: \_\_\_\_\_

\_\_\_\_\_  
AGENCY ADDRESS

\_\_\_\_\_  
SURETY SEAL

BY: \_\_\_\_\_

CONTRACT NO. FCD 82-32  
PAYMENT BOND

\_\_\_\_\_  
POWER OF ATTORNEY SEAL

BY: \_\_\_\_\_

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 \_\_\_\_\_  
dollars (\$ \_\_\_\_\_), 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 \_\_\_\_\_  
\_\_\_\_\_, 19\_\_\_\_, for \_\_\_\_\_

\_\_\_\_\_ 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 said  
Principal shall faithfully perform and fulfill all the undertakings, covenants,  
terms, conditions and agreements of said contract during the original term of  
said contract and any extension thereof, with or without notice to the Surety,  
and during the life of any guaranty required under the contract, and shall also  
perform and fulfill all the undertakings, covenants, terms, conditions, and  
agreements of any and all duly authorized modifications of said contract that  
may hereafter be made, notice of which modifications to the Surety being hereby  
waived; then the above obligation shall be void, otherwise to remain in full  
force and effect;

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

The prevailing party in a suit on this bond shall be entitled to such  
reasonable attorney's fees as may be fixed by a judge of the court.

Witness our hands this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

\_\_\_\_\_  
AGENCY OF RECORD

\_\_\_\_\_  
AGENCY ADDRESS

CONTRACT NO. FCD 82-32  
PERFORMANCE BOND

\_\_\_\_\_  
PRINCIPAL SEAL

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

\_\_\_\_\_  
SURETY SEAL

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

\_\_\_\_\_  
POWER OF ATTORNEY SEAL

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CERTIFICATE OF INSURANCE

CONTRACT FCD

The \_\_\_\_\_ Certifies that the following insurance policies have been issued on behalf of \_\_\_\_\_

Name of Insured \_\_\_\_\_

Address of Insured \_\_\_\_\_

Type of Insurance	Policy No.	Eff. Date	Exp. Date	Limits of Liability
(1) Workmen's Compensation				Statutory
(2) Contractor(s) Protective Bodily Injury				\$500,000 Each Occurrence
(2) Contractor(s) Protective Property Damage				\$100,000 Each Accident \$100,000 Aggregate
(3) Contractual Bodily Injury				\$500,000 Each Occurrence
(3) Contractual Property Damage				\$100,000 Each Accident \$100,000 Aggregate
(4) Automobile Bodily Injury & Property Damage				\$500,000 Each Occurrence

When the project includes construction of a new, or modification of an existing building (in addition to the above types):

(5) Fire and Extended Coverage plus Vandalism and Malicious Mischief For the Full Amount of the Contract, with the Flood Control District of Maricopa County named as an additional insured.

Type of Insurance	Policy No.	Eff. Date	Exp. Date	Limits of Liability
(6) Umbrella Coverage				\$1,000,000

Policy Includes Coverage For:

- (1) a. Damage caused by blasting  
b. Damage caused by collapse or structural injury  
c. Damage to underground utilities
- (2) Liability assumed in construction agreements and other types of contracts or agreements in effect in connection with insured operations.
- (3) All owned, hired, or non-owned automotive equipment used in connection with the insured operation.

● It is agreed that none of these policies will be cancelled or changed so as to affect this certificate until ten (10) days written notice of such cancellation or change has been delivered to the Flood Control District of Maricopa County.

It is further agreed that:

● (1) These policies shall not expire until all work has been completed and the project has been accepted by the Flood Control District of Maricopa County. (If a policy does expire during the life of the Contract, a renewal Certificate of the required coverage must be sent to the Flood Control District of Maricopa County not less than five days prior to expiration date.)

● The Contractor hereby agrees to indemnify and save harmless the Flood Control District of Maricopa County, and any jurisdiction or agency issuing permits for any work included in the project, their officers, agents, and representatives from all suits, actions, loss, damage, expense, cost, or claims of any character or any nature brought on account of any injuries or damage sustained by any person or property arising out of the work done in fulfillment of the construction of the improvement under the terms of this agreement, or on account of any act or omission by the Contractor or his agents, or from any claims or amounts arising or recovered under Workman's Compensation laws or any other law, bylaw, ordinance, or order or decree.

● This certificate is not valid unless countersigned by an authorized representative of the Insurance Company.

● Date \_\_\_\_\_ Countersigned by \_\_\_\_\_

\_\_\_\_\_  
Signature