

ENGINEERING DIVISION

LIBRARY

OFFICIAL PROVISIONS
FOR

67TH AVENUE BRIDGE OVER ACDC

CONTRACT NO FCD 84-23

Property of
Flood Control District of Maricopa Library
Please Return to
2801 W. Durango
Phoenix, AZ 85009



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

A118.548

DATE: June 21, 1984

FCD Contract No. 84-23

Page 1 of 1

TO CONTRACT DOCUMENTSENTITLED: 67th Avenue Bridge Over ACDCOWNER:

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. In the BASE BIDDING SCHEDULE and the ALTERNATE BIDDING SCHEDULE, change the quantity for Item No. 321-1, C-3/4 Asphalt Concrete from 750 Ton to 600 Ton.
2. On Sheet S-2 of the plans, in the table titled "APPROXIMATE QUANTITIES FOR DETOUR AND APPROACH ROADWAY", change the quantity for C-3/4 A.C. for the Detour from 400 Ton to 250 Ton and the Total from 750 Ton to 600 Ton.
3. In the ALTERNATE BIDDING SCHEDULE, change the quantity for Item No. 505-1, Class "AA" Concrete to 3,029 C.Y., and change the quantity for Item No. 506-1, Precast Prestressed Deck Panels from 36,000 S.F. to 34,900 S.F.
4. On Sheet S-2 of the plans, in the table titled "APPROXIMATE QUANTITIES FOR BRIDGE", change the quantity for Concrete, 4,000 P.S.I. for DECK (ALTERNATE) from 642 C.Y. to 968 C.Y. and change the quantity for P.C. PLANKS from 40,500 Sq. Ft. to 34,900 Sq. Ft.

DATE: June 19, 1984

FCD Contract No. 84-23

Page 1 of 3

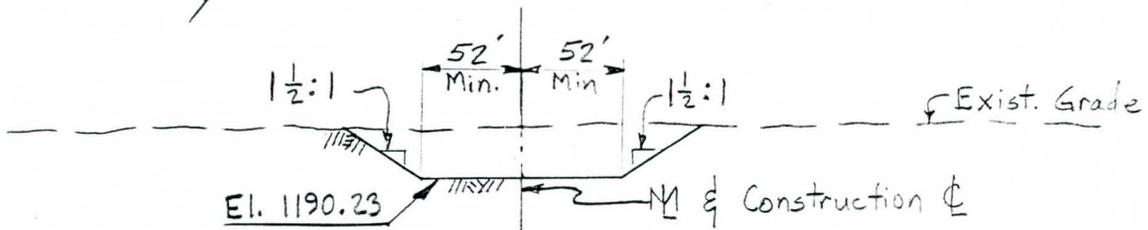
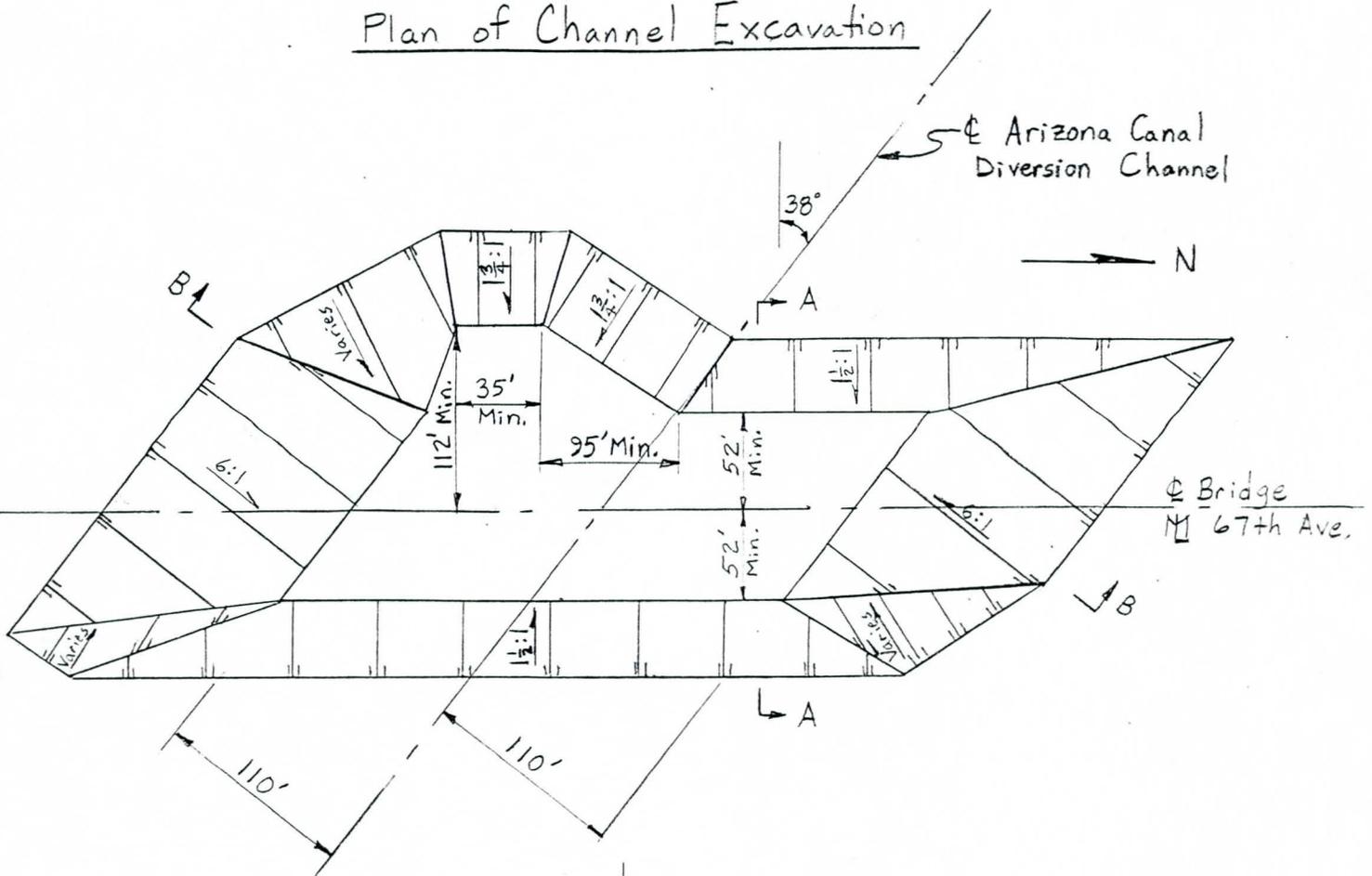
TO CONTRACT DOCUMENTSENTITLED: 67th Avenue Bridge Over ACDCOWNER:

FLOOD CONTROL DISTRICT of Maricopa County

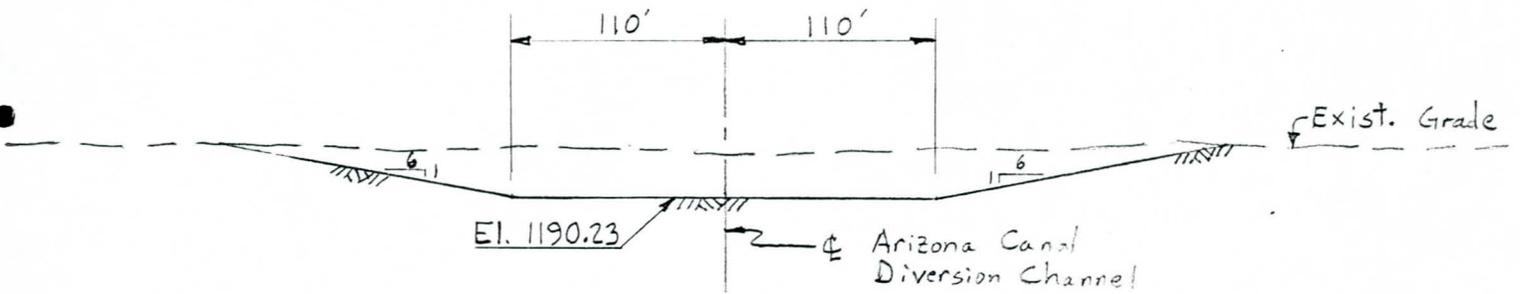
The above documents are herein modified. The provisions of said documents applicable to these modifications remain unchanged unless specifically indicated otherwise herein. This Addendum forms a part of the Contract Documents and modifies them as follows:

1. The bid opening date has been postponed one week. On page 1 of 5 of the Invitation For Bids, change the first sentence of the first paragraph to read: "SEALED BIDS, IN SINGLE COPY FOR THE WORK DESCRIBED HEREIN WILL BE RECEIVED UNTIL 2:00 P.M. LOCAL TIME AT THE PLACE OF BID OPENING, JUNE 28, 1984."
2. The attached Plan of Channel Excavation shall become a part of the plans. The specifications covering this plan are contained in the Construction Special Provisions, page 4 of 11, SECTION 215 - EARTHWORK FOR OPEN CHANNELS. The Contractor may dispose of excess excavation in the ACDC right-of-way, in accordance with paragraph 2 of SECTION 215 of the Construction Special Provisions.
3. On Sheet S-2 of the plans under GENERAL NOTES, CONCRETE, delete the note that says "All Concrete shall be Class S."
4. On page 8 of 11 of the Construction Special Provisions, under SECTION 505 - CONCRETE STRUCTURES, add the following note: "Class AA concrete shall conform to Section 725 of the Uniform Standard Specifications. Class S concrete shall conform to Section 1006 and table 1006-1 of the Arizona Department of Transportation Standard Specifications dated 1982 and all revisions."
5. The Contractor, at his option, may substitute ductile iron pipe for the vitreous clay pipe called for in bid item numbers 615-1, 615-2 and 615-4.
6. On Sheet C-7 of the plans, delete the note above PIPE JOINT AND HANGAR DETAIL that calls for "Split Ring Hanger" and substitute "Provide Adjustable Clevis Hangers, ITT Grinnel Figure 260 or Approved Equal."
7. On Sheet S-9 of the plans, delete all references to Deck Pour Sequence and substitute the attached sheet that shows the Deck Pour Sequence.
8. In the BASE BIDDING SCHEDULE and the ALTERNATE BIDDING SCHEDULE, change the quantity for Item No. 505-1, Class "AA" Concrete, from 2,933 C.Y. to 3,352 C.Y.
9. On Sheet S-2 of the Plans, change the quantity for 4000 P.S.I. Concrete for ABUTMENT NO. 1 from 277 to 317, for ABUTMENT NO. 2 from 277 to 317, for PIERS (5) from 1009 to 1348 and TOTALS from 2933 to 3352.

Plan of Channel Excavation

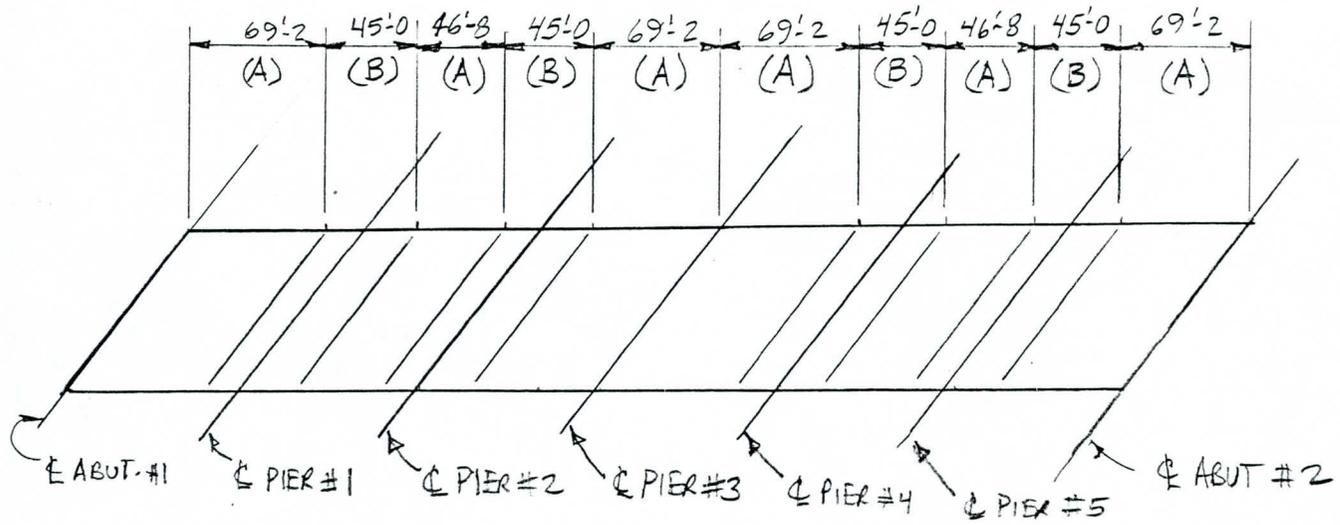


Section A-A



Section B-B

67th Avenue Bridge Over ACDC



DECK POUR SEQUENCE

ALL "A" POURS MUST BE MADE BEFORE "B" POURS

DATE: June 15, 1984

FCD Contract No. 84-23

Page 1 of 1

TO CONTRACT DOCUMENTS

ENTITLED: 67th Avenue Bridge Over ACDC

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. On page 9 of 11 in the Construction Special Provisions, under Section 506 - Precast, Prestressed Concrete Members, add the following:

"Subject to approval by the Engineer, the Contractor at his option may substitute the use of low-relaxation strands in the girders for the stress-relieved strands called for in the plans. Strands shall be in accordance with ASTM A416-80, Grade 270. The Contractor must submit calculations sealed by an engineer registered in the State of Arizona for approval by the Engineer to verify that this substitution meets all the specifications and loading and deflection requirements of the original stress-relieved strand girder.

ADDENDUM NO. 1

DATE: June 13, 1984

FCD Contract No. 84-23

Page 1 of 1

TO CONTRACT DOCUMENTS

ENTITLED: 67th Avenue Bridge Over ACDC

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. On Sheet C-11 of the plans, under "GENERAL NOTES", add the following statement to the end of paragraph A.1. after the word "OPERATIONAL.": "... or until the completion of this contract, whichever comes first."

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CONTRACT NO. FCD 84-23

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: 67th Avenue Bridge over ACDC
Sheets 1 through 28 of 28.

INVITATION FOR BIDS
(Construction Contract)

Project: 67th Avenue Bridge
Over ACDC

Ref. Invitation FCD 84-23
Date: May 16, 1984
Issued by: Flood Control District
Maricopa County

Location: 67th Avenue at the
Arizona Canal
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, JUNE 21, 1984. IN THE OFFICE OF THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, 3335 WEST DURANGO STREET, PHOENIX, ARIZONA 85009, AND AT THAT TIME PUBLICLY OPENED.

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, CASHIERS 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.

DESCRIPTION OF WORK:

Construction of a six-span continuous pre-stressed girder bridge, detour, approach roadway, sewer line relocation and miscellaneous related items.

THE WORK SHALL COMMENCE WITHIN SEVEN (7) CALENDAR DAYS AND BE COMPLETED WITHIN TWO HUNDRED TEN (210) 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.

A PRE-BID CONFERENCE WILL BE HELD AT THE FLOOD CONTROL DISTRICT OFFICE ON JUNE 12, 1984 AT 10:00 A.M. IT IS IN THE BEST INTEREST OF PROSPECTIVE BIDDERS TO ATTEND.

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.

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. Award of Contract. Award and execution of a contract shall be in accordance with MAG Section 103.
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 84-23
SPECIAL INSTRUCTIONS TO BIDDERS

Location of the Work

67th Avenue at the Arizona Canal
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 \$19.00 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 \$14.00, not refundable.

APPROXIMATE QUANTITY

<u>QUANTITY</u>	<u>UNIT</u>	<u>DESCRIPTION</u>
105	C.Y.	Concrete (3000 psi)
2,933	C.Y.	Concrete (4000 psi)
868,443	Lbs.	Reinforcing Steel
6,013	L.F.	Type IV Girders (AASHTO)
60,850	C.Y.	Structural Excav.
1,000	Ton	Asphalt Concrete, C-3/4
205	Ton	Asphalt Concrete, E-3/8

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: 67th Avenue Bridge
Over ACDC

Invitation F.C.D. 84-23
Date: May 16, 1984

Location: 67th Avenue at the Arizona Canal
Glendale, Arizona

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.

BASE BIDDING SCHEDULE

Project: 67th Avenue Bridge over
Arizona Canal Diversion Channel

Contract: FCD No. 84-23

Item No.	Approximate Quantity	Unit	Description	Unit Cost (in writing) and /100 dollars	Unit Cost	Extended Amount
211	1	L.S.	Roadway Embankment			
215	1	L.S.	Channel Excavation			
301	5955	S.Y.	Subgrade Preparation			
310-1	1330	Ton	Select Material			
310-2	1335	Ton	Aggregate Base Course			
315	7.5	Ton	Bituminous Prime Coat			
321-1	750	Ton	C-3/4, Asphalt Concrete			
321-2	205	Ton	E-3/8, Asphalt Concrete			
321-3	120	S.Y.	Pavement Reconstruction for Sanitary Sewer Relocation			

BASE BIDDING SCHEDULE

Project: 67th Avenue Bridge over
Arizona Canal Diversion Channel

Contract: FCD No. 84-23

Item No.	Approximate Quantity	Unit	Description	Unit Cost (in writing) and /100 dollars	Unit Cost	Extended Amount
350	1	L.S.	Miscellaneous Removals			
401	1	L.S.	Traffic Control			
415	89	L.F.	Guard Rail, ADOT Standard C-10.01			
502	736	L.F.	Drilled Belled Shaft Foundations			
505-1	2,933	C.Y.	Class "AA" Concrete, $f_c' = 4000$ psi			
505-2	105	C.Y.	Class "S" Concrete, $f_c' = 3500$ psi			
505-3	868,443	Lb.	Reinforcing Steel			

BASE BIDDING SCHEDULE

Project: 67th Avenue Bridge over
Arizona Canal Diversion Channel

Contract: FCD No. 84-23

Item No.	Approximate Quantity	Unit	Description	Unit Cost (in writing) and /100 dollars	Unit Cost	Extended Amount
506	66	Ea.	Precast Concrete Girders (pretensioned, or post-tensioned)			
520-1	1,172	L.F.	Pedestrian Railing			
550	1,170	L.F.	6" PVC Pipe Class 160			
610-1	787	L.F.	12" Ductile Iron Pipe			
610-2	110	L.F.	12" A.C. Pipe			
610-3	3	Ea.	12" Gate Valve			
610-4	4	Ea.	12" 90° Bend			
610-5	1	Ea.	12" Tee			
610-6	1	Ea.	12"x 8" P.E. x P.E. Reducer			
610-7	1	Ea.	12" 45° Elbow			
610-8	110	Ea.	Split Ring Hangars			

BASE BIDDING SCHEDULE

Project: 67th Avenue Bridge over
Arizona Canal Diversion Channel

Contract: FCD No. 84-23

Item No.	Approximate Quantity	Unit	Description	Unit Cost (in writing) and /100 dollars	Unit Cost	Extended Amount
615-1	300	L.F.	21" V.C.P. Sanitary Sewer			
615-2	142	L.F.	24" V.C.P. Sanitary Sewer			
615-3	635	L.F.	24" D.I. Sanitary Sewer (Conc. Encased)			
615-4	157	L.F.	27" V.C.P. Sanitary Sewer			
615-5	1	L.S.	Temporary Pump Station, Complete			
615-6	180	Day	Operation Costs, Temporary Pump Station			
625-1	6	Ea.	Std. 5' Dia. Sanitary Manhole			
625-2	1	Ea.	Special 5' Dia. Drop Manhole			

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

Base Bid Total _____

ALTERNATE BIDDING SCHEDULE
(Precast Deck Panels)

Project: 67th Avenue Bridge over
Arizona Canal Diversion Channel

Contract: FCD No. 84-23

Item No.	Approximate Quantity	Unit	Description	Unit Cost (in writing) and /100 dollars	Unit Cost	Extended Amount
211	1	L.S.	Roadway Embankment			
215	1	L.S.	Channel Excavation			
301	5955	S.Y.	Subgrade Preparation			
310-1	1330	Ton	Select Material			
310-2	1335	Ton	Aggregate Base Course			
315	7.5	Ton	Bituminous Prime Coat			
321-1	750	Ton	C-3/4, Asphalt Concrete			
321-2	205	Ton	E-3/8, Asphalt Concrete			
321-3	120	S.Y.	Pavement Reconstruction for Sanitary Sewer Relocation			

ALTERNATE BIDDING SCHEDULE
(Precast Deck Panels)

Project: 67th Avenue Bridge over
Arizona Canal Diversion Channel

Contract: FCD No. 84-23

Item No.	Approximate Quantity	Unit	Description	Unit Cost (in writing) and /100 dollars	Unit Cost	Extended Amount
350	1	L.S.	Miscellaneous Removals			
401	1	L.S.	Traffic Control			
415	89	L.F.	Guard Rail, ADOT Standard C-10.01			
502	736	L.F.	Drilled Belled Shaft Foundations			
505-1	2,630	C.Y.	Class "AA" Concrete, $f_c' = 4000$ psi			
505-2	105	C.Y.	Class "S" Concrete, $f_c' = 3500$ psi			
505-3	760,940	Lb.	Reinforcing Steel			

ALTERNATE BIDDING SCHEDULE
(Precast Deck Panels)

Project: 67th Avenue Bridge over
Arizona Canal Diversion Channel

Contract: FCD No. 84-23

Item No.	Approximate Quantity	Unit	Description	Unit Cost (in writing) and /100 dollars	Unit Cost	Extended Amount
506	66	Ea.	Precast Concrete Girders (pretensioned, or post-tensioned)			
506-1	36,000	S.F.	Precast Prestressed Deck Panels			
520-1	1,172	L.F.	Pedestrian Railing			
550	1,170	L.F.	6" PVC Pipe Class 160			
610-1	787	L.F.	12" Ductile Iron Pipe			
610-2	110	L.F.	12" A.C. Pipe			
610-3	3	Ea.	12" Gate Valve			
610-4	4	Ea.	12" 90° Bend			
610-5	1	Ea.	12" Tee			
610-6	1	Ea.	12"x 8" P.E. x P.E. Reducer			
610-7	1	Ea.	12" 45° Elbow			
610-8	110	Ea.	Split Ring Hangars			

ALTERNATE BIDDING SCHEDULE
(Precast Deck Panels)

Project: 67th Avenue Bridge over
Arizona Canal Diversion Channel

Contract: FCD No. 84-23

Item No.	Approximate Quantity	Unit	Description	Unit Cost (in writing) and /100 dollars	Unit Cost	Extended Amount
615-1	300	L.F.	21" V.C.P. Sanitary Sewer			
615-2	142	L.F.	24" V.C.P. Sanitary Sewer			
615-3	635	L.F.	24" D.I. Sanitary Sewer (Conc. Encased)			
615-4	157	L.F.	27" V.C.P. Sanitary Sewer			
615-5	1	L.S.	Temporary Pump Station, Complete			
615-6	180	Day	Operation Costs, Temporary Pump Station			
625-1	6	Ea.	Std. 5' Dia. Sanitary Manhole			
625-2	1	Ea.	Special 5' Dia. Drop Manhole			

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

Alternate Bid Total _____

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:

CONSTRUCTION SPECIAL PROVISIONS
FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY,
67TH AVENUE BRIDGE OVER
THE ARIZONA CANAL DIVERSION CHANNEL,
DETOUR & APPROACH ROADWAYS
FCD 84-23

LOCATION OF THE WORK: This project is located on the 67th Avenue over the Arizona Canal Diversion Channel and is approximately 1200 feet south of the intersection of Greenway Road.

PROPOSED WORK: The work consists of constructing a six span prestressed concrete bridge, detour, improvement of approach roadway to bridge at both north and south ends, the relocation of water and sewer lines 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 Governmnets' Uniform Standard Specifications for Public Works Construction, Highway Department Supplement to the Uniform Standard Specifications, adopted August 3, 1981, and October 19, 1981, and the Construction Special Provision contained herein.

CONTRACT TIME: The Contractor shall complete all work on the project within two hundred and ten (210) calander days after the 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 detour may be obtained 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 office of the Flood Control District of Maricopa County.

WORK STANDARDS: The Contractor shall comply with Section 103 and 107 of the

Contract Work Hours and Safety Standards Act (40 U.S.C. 327-330) as supplemented by The 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.

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 102.2 - 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 corresponding 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 therein, i.e.

\$1,000,000	bodily injury per person
\$5,000,000	bodily injury each occurrence
\$1,000,000	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.....	973-7568
Salt River Project	273-8811
Arizona Public Service.....	271-7171
Location Staking (A.P.S., Mtn. Bell, S.R.P.).....	263-1100
City of Glendale.....	931-5673
Maricopa County Highway Department.....	262-3631

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.

SECTION 108.9 - FAILURE TO COMPLETE ON TIME: The amount of \$350.00 per calendar day, or the actual cost per calendar day incurred by the District for Engineering and Inspection Services in this project, whichever is less, and any other costs incurred by the District directly attributable to the delay in completing this contract 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.

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: Structural 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.

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

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.

Payment for all work under this section will be made at the lump sum bid for ITEM 211 - ROADWAY EMBANKMENT. The price shall include placement, water, and compaction of fill construction.

SECTION 215 - EARTHWORK FOR OPEN CHANNELS: Earthwork for open channels shall consist of excavation and grading of the Arizona Canal Diversion Channel to the lines and grades as shown on the plans in accordance with Section 215 of the Uniform Standard Specifications.

Material excavated under this item may be used for roadway embankment provided that it meets the requirements of SECTION 210 - BORROW EXCAVATION. Material that is determined to be unsuitable for use in roadway embankment and dikes shall be disposed of within the Arizona Canal Diversion Channel right-of-way. Material that is disposed of in this manner shall be spread evenly to a maximum depth of not over ten (10) feet, and shall be done in a manner that will not block or divert the natural drainage.

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 Contractor may increase the extent of longitudinal channel excavation for his convenience, at his option, at no additional cost to the Owner. However, the final channel width and side slopes shall be as shown on the plans.

Payment for all work under this section will be made at the lump sum bid for ITEM - 215 CHANNEL EXCAVATION, which price shall include excavation, grading, and disposal of excess material excavated from the Arizona Canal Diversion Channel as indicated on the plans.

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 ASSHTO 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 to 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 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 necessary to remove the existing concrete pavement will be paid for under ITEM 215 - CHANNEL EXCAVATION.

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 67th 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.

Payment for this item will be made at the contract lump sum price bid for ITEM 350-MISCELLANEOUS REMOVALS.

SECTION 401 - TRAFFIC CONTRL: Traffic control shall conform to the applicable paragraphs of Section 401 of the Uniform Standard Specifications, the City of Phoenix Barricade Manual and as specified herein.

The number and types of barricades, signs, delineators, barriers and all other traffic control devices shall be subject to approval. However, approval of traffic control devices and the approval of the Contractor's method of application of all traffic control measures shall not relieve the Contractor of the responsibility of protecting the work, the workmen and the traveling public.

The Contractor shall provide and maintain safe and adequate access, including pavement surfacing of the detour for two-way traffic, at all times. Detour to bypass the construction zone shall be as shown on the plans. Construction and detour advance warning signs shall be 48 inches in size and shall be installed 1500, 1000 and 500 feet prior to the construction zone at each end. A five (5) foot high deceleration berm of loose sandy material with nothing over three inches in size shall be placed completely over the paved portion of the road on each approach to the bridge. Internal construction barricading and signing shall be required to provide access and guide traffic through the zone with a speed posted at 25 miles per hour.

Contractor shall not reduce lanes on 67th Avenue or the detour without approval of the Engineer.

All necessary signs and barricades shall remain three working days beyond acceptance of the project by the Owner.

Payment for providing and maintaining traffic control will be at the lump sum bid price in the proposal. Such prices shall include all traffic control devices and traffic control measures, such as warning and control signs, barricades, lighting devices, paint striping, striping removal, delineators, flagmen and other appurtenant items related to traffic control and safety. Included in the price shall be the maintenance of the detour pavement bumps and holes and pavement striping of the detour and the finished roadway.

SECTION 415 - FLEXIBLE METAL GUARDRAIL: The work under this item shall conform to the Arizona Department of Transportation Standards C-10.01.1, C-10.13; Section 415 of the Uniform Standard Specifications; and the details shown on the plans. See sheet S-16 of the plans for additional notes.

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

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 EL 1163.00, feet. All holes shall be examined for straightness and any hole which, on visual inspection

from the top, shows less than 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 this axis of the pile and shall be securely blocked to clear the sides of the hole. 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 concrete, 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 for ITEM 505-3 - REINFORCING STEEL. Payments for concrete will be at the unit price for ITEM 505-1 - CLASS AA CONCRETE.

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 sidewalls, in accordance with the plans and Section 505 of the Uniform Standard Specifications. Concrete and reinforcing steel shall conform to the requirements of Section 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 S CONCRETE and the contract unit price bid per pound for ITEM 505-3 - REINFORCING STEEL.

SECTION 506 - PRECAST PRESTRESSED CONCRETE MEMBERS: The work under this section consists of furnishing and placing of prestressed concrete girders, and prestressed precast deck panels (if opted), in accordance with the plans and Section 506 of the Uniform Standard Specifications.

Bearing pads shall meet the requirements of SECTION 25 - ELASTOMERIC BEARINGS of the AASHTO Standard Specifications for Highway Bridges, 1977 Edition and Interims to date. Prestressing shall be performed by the pretensioning or post-tensioning method at Contractors option.

Payment for all work under this section will be made at the unit price bid for ITEM NO. 506 - PRECAST CONCRETE GIRDERS and ITEM NO. 506-1 - ALTERNATE PRECAST CONCRETE DECK PANEL. The prices shall be full compensation for the items complete in place, including concrete, reinforcing steel, and bearing pads.

SECTION 520 - PEDESTRIAN HANDRAIL: The work under this section consists of the construction of a pedestrian rail 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 - PEDESTRIAN RAILING.

SECTION 550 - P.V.C. CONDUIT: The work under this section shall consist of furnishing and installing 6 inch nominal diameter poly-vinyl chloride conduit to hang under 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 be 6 inch class 160 white solvent weld P.V.C. pipe.

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

Payment shall be at the unit price bid per foot for ITEM 550 - 6 INCH P.V.C. CONDUIT. This shall include the cost of furnishing, installing, plugging, and all incidental work required to provide the item complete-in-place, including all inserts and hangers.

SECTION 610 - 12 INCH WATER LINE: See sheet C-7 of the plans for additional specifications. The contractor shall coordinate this work with the City of Glendale Public Works Department. The 12 inch ductile iron pipe will be protected against corrosion when buried underground in accordance with Section 610-5 of the Uniform Standard Specifications, exposed pipe will be painted in accordance with Section 530. Measurement shall be in accordance with Section 610-18 of the Uniform Standard Specifications. Payment will be made at the contract unit prices bid for ITEMS 610-1 thru 610-8 and shall include all costs of excavation, removal of obstructions, shoring and bracing, beddings, backfilling, compaction, testing, disinfecting, connection to existing lines, painting and all related work not specifically covered in other pay items.

SECTION 615 - SANITARY SEWER LINE CONSTRUCTION: The work shall consist of construction of new sewerlines of various sizes and the construction and operation of a temporary pump station. The work shall be as indicated on the drawings and in conformance with Section 615 of the Uniform Standard Specifications and applicable Uniform Standard Details. For additional notes and specifications see Sheets C-8 thru C-12 of the Plans.

The Contractor shall develop and submit a plan for operation of the temporary pumping equipment for approval by the Engineer and the City of Glendale. Operation of the temporary pump station will be performed to the satisfaction and approval of the City of Glendale. The Contractor is responsible for all costs associated with the operation of the temporary pump station including power costs and is responsible for keeping the sewerline clean and pumping during the construction period to the satisfaction of the City of Glendale. The Contractor will provide an emergency backup generator at the sewage pump area capable of powering the pump equipment. The generator will be available at all times in case of a power outage. The Contractor will not interrupt flows through the existing 27 inch sewerline until the temporary pump station is in place and operational.

Payment for items in this section will be made at the contract unit bid prices for ITEMS 615-1 thru 615-6 and shall be compensation in full for excavation, all required material, installation of pipe and equipment, installation of the temporary pump station complete in place, operation and maintenance of the temporary pump station, backfill, compaction, testing and related items of work.

SECTION 625 - SANITARY SEWER MANHOLES: The work under this item consists of construction of sewer manholes complete in place, including foundations, walls, cast iron steps, manhole frames and covers and any incidentals thereto, at locations and finish grade elevations indicated on the drawings and in conformance with Section 625 of the Uniform Standard Specifications and Uniform Standard Details.

Payment for the work shall be made at the bid prices in the proposal and shall be compensation in full for excavation, all required material, installation of manholes, inverts, backfill, compaction, testing and related items of work.

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 item.

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 Flood Control District reserves the right to adjust design grades or the location of drainage structure 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 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. FCD 84-23, 67th Avenue Bridge over ACDC 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: _____

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: _____

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: _____

POWER OF ATTORNEY SEAL

BY: _____

CONTRACT NO. FCD 84-23
PAYMENT BOND

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 84-23
PERFORMANCE BOND

PRINCIPAL SEAL

By: _____

SURETY SEAL

BY: _____

POWER OF ATTORNEY SEAL

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CERTIFICATE OF INSURANCE

CONTRACT FCD 84-23

PROJECT TITLE 67th Ave. Bridge over ACDC

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

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	EXPIRATION DATE	LIMITS OF LIABILITY IN \$1,000	
				MINIMUM	each occurrence
	<input checked="" type="checkbox"/> COMPREHENSIVE GENERAL 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 \$1,000 each occurrence \$5,000 PROPERTY DAMAGE \$1,000 OR BODILY INJURY AND PROPERTY DAMAGE Combined \$5,000	
	<input checked="" type="checkbox"/> COMPREHENSIVE AUTO 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
	<input type="checkbox"/> OTHER				

The Flood Control District of Maricopa County is added as an additional insured as respects work done for the District by the named insured as required by statute, contract, purchase order or otherwise requested. 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 effect the coverage available to the District without fifteen days written notice to the District. THIS CERTIFICATE IS NOT VALID UNLESS COUNTERSIGNED BY AN AUTHORIZED REPRESENTATIVE OF THE INSURANCE COMPANY.

NAME AND ADDRESS OF CERTIFICATE HOLDER
 FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
 3335 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, or any of its 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. The Flood Control District of Maricopa County 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. The above cost of damages incurred by the Flood Control District of Maricopa County or any of its departments, agencies, officers or employees shall include in the event of an action, court costs, expenses for litigation and reasonable attorney's fees.

Date _____ Contractor _____