

RETURN WITH BIDLETTING DATE May 16, 2008ITEM NUMBER 13A

Proposal Submitted By

Name _____

Address _____

City/State _____

9 Digit Zip Code _____ Telephone Number _____

FEIN Number _____ FAX Number _____

E-Mail Address _____

BIDDERS NEED NOT RETURN THE ENTIRE PROPOSAL
 (See instructions inside front cover)
NOTICE TO PROSPECTIVE BIDDERS

This proposal can be used for bidding purposes
 by only those companies that request and receive written
 AUTHORIZATION TO BID from IDOT's Central Bureau of
 Construction.
 (SEE INSTRUCTIONS ON THE INSIDE OF COVER)

PROPOSAL COVER SHEET
Illinois Department of Transportation
DIVISION OF AERONAUTICS
AIRPORT University of Illinois - WillardMUNICIPAL DESIGNATION SavoyCOUNTY DESIGNATION ChampaignILLINOIS PROJECT NO. CMI-3663FEDERAL PROJECT NO. 3-17-0016-
 Is the Option for Bituminous Materials
 Cost Adjustments Selected?

 Please See Pages 71 and 72 and
 Mark the Appropriate Box Below:

 Yes

 No

PLEASE MARK THE APPROPRIATE BOX BELOW:

 A Bid Bond is included.

 A Cashier's Check or a Certified Check is included.

INSTRUCTIONS

ABOUT IDOT PROPOSALS: All proposals issued by IDOT are potential bidding proposals. Each proposal contains all Certifications and Affidavits, a Proposal Signature Sheet and a Proposal Bid Bond required for Prime Contractors to submit a bid after written **Authorization to Bid** has been issued by IDOT’s Central Bureau of Construction.

HOW MANY PROPOSALS SHOULD PROSPECTIVE BIDDERS REQUEST?: Prospective bidders should, prior to submitting their initial request for plans and proposals, determine their needs and request the total number of plans and proposals needed for each item requested. There will be a nonrefundable charge of \$15 for each set of plans and specifications issued.

WHO CAN BID?: Bids will be accepted from only those companies that request and receive written **Authorization to Bid** from IDOT’s Central Bureau of Construction.

WHAT CONSTITUTES WRITTEN AUTHORIZATION TO BID?: When a prospective prime bidder submits a “Request for Proposal Forms and Plans” he/she must indicate at that time which items are being requested For Bidding purposes. Only those items requested For Bidding will be analyzed. After the request has been analyzed, the bidder will be issued a **Proposal Denial and/or Authorization Form**, approved by the Central Bureau of Construction, that indicates which items have been approved For Bidding. If **Authorization to Bid** cannot be approved, the **Proposal Denial and/or Authorization Form** will indicate the reason for denial. If a contractor has requested to bid but has not received a **Proposal Denial and/or Authorization Form**, they should contact the Central Bureau of Construction in advance of the letting date.

WHAT MUST BE INCLUDED WHEN BIDS ARE SUBMITTED?: Bidders need not return the entire proposal when bids are submitted. That portion of the proposal that must be returned includes the following:

1. All documents from the Proposal Cover Sheet through the Proposal Bid Bond
2. Other special documentation and/or information that may be required by the contract special provisions

All proposal documents, including Proposal Guaranty Checks or Proposal Bid Bonds, should be stapled together to prevent loss when bids are processed by IDOT personnel.

ABOUT SUBMITTING BIDS: It is recommended that bidders deliver bids in person to insure they arrive at the proper location prior to the time specified for the receipt of bids. Any bid received at the place of letting after the time specified will not be accepted.

WHO SHOULD BE CALLED IF ASSISTANCE IS NEEDED?

Questions Regarding	Call
Prequalification and/or Authorization to Bid	217/782-3413
Preparation and submittal of bids	217/782-7806
Mailing of plans and proposals	217/782-7806



PROPOSAL

1. Proposal of _____

for the improvement officially known as:

- (a) University of Illinois - Willard Airport
- (b) The proposed improvement shown in detail on the plans issued by the Department schedule and detail sheets included herein, includes, in general, the following described work:

Base Bid - Rehabilitate air carrier apron, phase 2; Rehabilitate Taxiway A7 and enhanced centerline markings. Additive Alternate 1 - Rehabilitate Taxiway A6.

TO THE DEPARTMENT OF TRANSPORTATION

2. The plans for the proposed work are those issued by the Department of Transportation to cover the work described above.

The specifications are those prepared by the Department of Transportation, Division of Aeronautics and designated as "Standard Specifications for Construction of Airports," adopted January, 1985, the "Supplemental Specifications and Recurring Special Provisions," adopted July 1, 2004 and the "Special Provisions" thereto, adopted and in effect on the date of invitation for bids.

3. **COMPLETION TIME/LIQUIDATED DAMAGES.** It being understood and agreed that the completion within the time limit is an essential part of the contract, the bidder agrees to complete the work within Base Bid: 107 Additive Alternate: 22 calendar days, unless additional time is granted by the Engineer in accordance with the provisions of the specifications. In case of failure to complete the work on or before the time named herein, or within such extra time as may have been allowed by extensions, the bidder agrees that the Department of Transportation shall withhold from such sum as may be due him/her under the terms of this contract, the costs, as set forth below, which costs shall be considered and treated not as a penalty but as damages due to the State from the bidder by reason of the failure of the bidder to complete the work within the time specified in the contract. The following Schedule of Deductions supersedes the table given in Section 60-09 of the Division's Standard Specifications for Construction of Airports.

Schedule of Deductions for Each Day of Overrun in Contract Time

<u>Original Contract Amount</u>		<u>Daily Charge</u>
<u>From More Than</u>	<u>To and Including</u>	<u>Calendar Day</u>
\$ 0	\$ 25,000	\$ 300
25,000	100,000	375
100,000	500,000	550
500,000	1,000,000	725
1,000,000	2,000,000	900
2,000,000	3,000,000	1,100
3,000,000	5,000,000	1,300
5,000,000	7,500,000	1,450
7,500,000	10,000,000	1,650

A daily charge shall be made for every day shown on the calendar beyond the specified contract time in calendar days.

RETURN WITH BID

4. **ASSURANCE OF EXAMINATION AND INSPECTION/WAIVER.** The undersigned further declares that he/she has carefully examined the proposal, plans, specifications, supplemental and applicable recurring special provisions, form of contract and contract bonds, and special provisions, and that he/she has inspected in detail the site of the proposed work, and that he/she has familiarized themselves with all of the local conditions affecting the contract and the detailed requirements of construction, and understands that in making this proposal he/she waives all right to plead any misunderstanding regarding the same.

5. **EXECUTION OF CONTRACT AND CONTRACT BONDS.** The undersigned further agrees to execute a contract for this work and present the same to the department within fifteen (15) days after the contract has been mailed to him/her. The undersigned further agrees that he/she and his/her surety will execute and present within fifteen (15) days after the contract has been mailed to him/her contract bonds satisfactory to and in the form prescribed by the Department of Transportation, in the penal sum of the full amount of the contract, guaranteeing the faithful performance of the work in accordance with the terms of the contract and guaranteeing payment in full all bills and accounts for materials and labor used in the construction of the work.

6. **PROPOSAL GUARANTY.** Accompanying this proposal is either a bid bond on the department form, executed by a corporate surety company satisfactory to the department, or a proposal guaranty check consisting of a bank cashier's check or a properly certified check for not less than 5 per cent of the amount bid or for the amount specified in the following schedule:

<u>Amount of Bid</u>	<u>Proposal Guaranty</u>	<u>Amount of Bid</u>	<u>Proposal Guaranty</u>
Up to \$5,000	to \$5,000\$150	\$2,000,000	to \$3,000,000 \$100,000
\$5,000	to \$10,000\$300	\$3,000,000	to \$5,000,000 \$150,000
\$10,000	to \$50,000\$1,000	\$5,000,000	to \$7,500,000 \$250,000
\$50,000	to \$100,000\$3,000	\$7,500,000	to \$10,000,000 \$400,000
\$100,000	to \$150,000\$5,000	\$10,000,000	to \$15,000,000 \$500,000
\$150,000	to \$250,000\$7,500	\$15,000,000	to \$20,000,000 \$600,000
\$250,000	to \$500,000\$12,500	\$20,000,000	to \$25,000,000\$700,000
\$500,000	to \$1,000,000\$25,000	\$25,000,000	to \$30,000,000 \$800,000
\$1,000,000	to \$1,500,000\$50,000	\$30,000,000	to \$35,000,000 \$900,000
\$1,500,000	to \$2,000,000\$75,000	over	\$35,000,000 \$1,000,000

Bank cashier's checks or properly certified checks accompanying proposals shall be made payable to the Treasurer, State of Illinois, when the state is awarding authority; the county treasurer, when a county is the awarding authority; or the city, village, or town treasurer, when a city, village, or town is the awarding authority.

If a combination bid is submitted, the proposal guaranties which accompany the individual proposals making up the combination will be considered as also covering the combination bid.

The amount of the proposal guaranty check is _____ \$(). If this proposal is accepted and the undersigned shall fail to execute contract bonds as required herein, it is hereby agreed that the amount of the proposal guaranty shall become the property of the State of Illinois, and shall be considered as payment of damages due to delay and other causes suffered by the State because of the failure to execute said contract and contract bonds; otherwise, the bid bond shall become void or the proposal guaranty check shall be returned to the undersigned.

RETURN WITH BID

(e) The plans and Special Provisions for each separate contract shall be construed separately for all requirements, except as described in paragraphs (a) through (d) listed above.

When a combination bid is submitted, the schedule below must be completed in each proposal comprising the combination.

If alternate bids are submitted for one or more of the sections comprising the combination, a combination bid must be submitted for each alternate.

Schedule of Combination Bids

Combination No.	Sections Included in Combination	Combination Bid	
		Dollars	Cents

8. **SCHEDULE OF PRICES.** The undersigned submits herewith his/her schedule of prices covering the work to be performed under this contract; he/she understands that he/she must show in the schedule the unit prices (with no more than two decimal places, i.e. \$25.35, not \$25.348) for which he/she proposes to perform each item of work, that the extensions must be made by him/her, and that if not so done his/her proposal may be rejected as irregular.

The undersigned further agrees that the unit prices submitted herewith are for the purpose of obtaining a gross sum, and for use in computing the value of additions and deductions; that if there is a discrepancy between the gross sum bid and that resulting from the summation of the quantities multiplied by their respective unit prices, the latter shall govern.

COUNTY NAME	CODE	DIST	AIRPORT NAME	FED PROJECT	ILL PROJECT
CHAMPAIGN	019	05	U OF I - WILLARD	3-17-0016-XX	CM-I -3663

***** BASE *****

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
AR110949	ADJUST CABLE MARKER	EACH	8.000 X				
AR125941	ADJUST STAKE MOUNTED LIGHT	EACH	6.000 X				
AR125942	ADJUST BASE MOUNTED LIGHT	EACH	4.000 X				
AR125944	ADJUST TAXI GUIDANCE SIGN	EACH	1.000 X				
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1.000 X				
AR152410	UNCLASSIFIED EXCAVATION	C.Y.	800.000 X				
AR152480	SHOULDER ADJUSTMENT	S.Y.	2,900.000 X				
AR156510	SILT FENCE	L.F.	1,200.000 X				
AR156513	SEPARATION FABRIC	S.Y.	6,575.000 X				
AR156520	INLET PROTECTION	EACH	5.000 X				
AR162408	CLASS E FENCE, VINYL-8'	L.F.	835.000 X				
AR162720	ELECTRIC GATE-20'	EACH	1.000 X				
AR162900	REMOVE CLASS E FENCE	L.F.	830.000 X				
AR162908	REMOVE ELECTRIC GATE	EACH	1.000 X				
AR163000	TEMPORARY CONSTRUCTION FENCE	L.F.	360.000 X				

U OF I - WILLARD
CHAMPAIGN

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF PRICES
CONTRACT NUMBER - UN048

ECMS002 DTGECM03 ECMR003 PAGE 2
RUN DATE - 04/18/08
RUN TIME - 212143

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
AR201610	BITUMINOUS BASE COURSE	TON	400.000 X				
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	L.F.	600.000 X				
AR209608	CRUSHED AGG. BASE COURSE - 8"	S.Y.	6,575.000 X				
AR302900	REMOVE 4" ATPS	S.Y.	6,115.000 X				
AR401610	BITUMINOUS SURFACE COURSE	TON	525.000 X				
AR401655	BUTT JOINT CONSTRUCTION	S.Y.	470.000 X				
AR401900	REMOVE BITUMINOUS PAVEMENT	S.Y.	1,795.000 X				
AR501508	8" PCC PAVEMENT	S.Y.	6,115.000 X				
AR501530	PCC TEST BATCH	EACH	1.000 X				
AR501604	4" PCC SIDEWALK	S.F.	1,120.000 X				
AR501690	PCC SIDEWALK REMOVAL	S.F.	1,120.000 X				
AR501908	8" PCC PAVEMENT REMOVAL	S.Y.	6,115.000 X				
AR510515	GROUND ROD	EACH	5.000 X				
AR510905	REMOVE GROUND ROD	EACH	5.000 X				
AR602510	BITUMINOUS PRIME COAT	GAL.	200.000 X				

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ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF PRICES
CONTRACT NUMBER - UN048

ECMS002 DTGECM03 ECMR003 PAGE 3
RUN DATE - 04/18/08
RUN TIME - 212143

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
AR603510	BITUMINOUS TACK COAT	GAL.	1,100.000 X	=		=	
AR620510	PAVEMENT MARKING	S.F.	16,500.000 X	=		=	
AR705524	4" PERFORATED UNDERDRAIN W/SOCK	L.F.	480.000 X	=		=	
AR754210	CONCRETE CURB	L.F.	170.000 X	=		=	
AR754410	COMB CONCRETE CURB & GUTTER	L.F.	115.000 X	=		=	
AR754900	REMOVE CONCRETE CURB	L.F.	240.000 X	=		=	
AR754904	REMOVE COMB CURB & GUTTER	L.F.	115.000 X	=		=	
AR800215	REMOVE BOLLARD	EACH	5.000 X	=		=	
AR800283	CLEAN AND REPAINT BOLLARD	EACH	12.000 X	=		=	
AR800284	REMOVE, REPAINT AND REINSTALL GUA	L.F.	150.000 X	=		=	
AR800285	REMOVE PARKING BLOCK	EACH	15.000 X	=		=	
AR800390	PCC JOINT MILLING	L.F.	3,450.000 X	=		=	
AR800391	PCC PARTIAL DEPTH PATCH	L.F.	3,450.000 X	=		=	
AR800420	REFLECTIVE CRACK CONTROL - ISAC	L.F.	3,450.000 X	=		=	
AR901510	SEEDING	ACRE	1.000 X	=		=	

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
AR904510	SODDING	S. Y.	650.000 X				
AR908510	MULCHING	ACRE	1.000 X				
AR910410	PARKING BLOCK	EACH	15.000 X				
AR910420	BOLLARD	EACH	5.000 X				

SUBTOTAL BASE \$

***THE DEPARTMENT RESERVES THE RIGHT TO AWARD THIS CONTRACT ON THE
 ***BASIS OF ANY OF THE ALTERNATES OR COMBINATION THEREOF.

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ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF PRICES
CONTRACT NUMBER - UN048

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RUN DATE - 04/18/08
RUN TIME - 212143

***** ALT 1 *****

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
AS110949	ADJUST CABLE MARKER	EACH	4.000 X	=		=	
AS125941	ADJUST STAKE MOUNTED LIGHT	EACH	6.000 X	=		=	
AS125942	ADJUST BASE MOUNTED LIGHT	EACH	4.000 X	=		=	
AS125944	ADJUST TAXI GUIDANCE SIGN	EACH	1.000 X	=		=	
AS152480	SHOULDER ADJUSTMENT	S.Y.	2,500.000 X	=		=	
AS156510	SILT FENCE	L.F.	825.000 X	=		=	
AS156520	INLET PROTECTION	EACH	1.000 X	=		=	
AS201610	BITUMINOUS BASE COURSE	TON	475.000 X	=		=	
AS201661	CLEAN AND SEAL BITUMINOUS CRACKS	L.F.	600.000 X	=		=	
AS401610	BITUMINOUS SURFACE COURSE	TON	525.000 X	=		=	
AS401655	BUTT JOINT CONSTRUCTION	S.Y.	650.000 X	=		=	
AS401900	REMOVE BITUMINOUS PAVEMENT	S.Y.	475.000 X	=		=	
AS603510	BITUMINOUS TACK COAT	GAL.	1,000.000 X	=		=	
AS620510	PAVEMENT MARKING	S.F.	3,145.000 X	=		=	
AS705944	ADJUST UNDERDRAIN CLEANOUT	EACH	1.000 X	=		=	

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
AS800390	PCC JOINT MILLING	L.F.	2,400.000 X				
AS800391	PCC PARTIAL DEPTH PATCH	L.F.	2,400.000 X				
AS800420	REFLECTIVE CRACK CONTROL - ISAC	L.F.	2,400.000 X				
AS901510	SEEDING	ACRE	0.500 X				
AS904510	SODDING	S.Y.	350.000 X				
AS908510	MULCHING	ACRE	0.500 X				

SUBTOTAL ALT 1 \$
 CONTRACT - UN048

SUMMARY OF TOTAL ALTERNATES	
DOLLARS	CTS
TOTAL BASE \$	
TOTAL ALT 1 \$	

NOTE: *** PLEASE TURN PAGE FOR IMPORTANT NOTES ***

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ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF PRICES
CONTRACT NUMBER - UN048

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NOTE:

1. EACH PAY ITEM SHOULD HAVE A UNIT PRICE AND A TOTAL PRICE.
2. THE UNIT PRICE SHALL GOVERN IF NO TOTAL PRICE IS SHOWN OR IF THERE IS A DISCREPANCY BETWEEN THE PRODUCT OF THE UNIT PRICE MULTIPLIED BY THE QUANTITY.
3. IF A UNIT PRICE IS OMITTED, THE TOTAL PRICE WILL BE DIVIDED BY THE QUANTITY IN ORDER TO ESTABLISH A UNIT PRICE.
4. A BID MAY BE DECLARED UNACCEPTABLE IF NEITHER A UNIT PRICE NOR A TOTAL PRICE IS SHOWN.

RETURN WITH BID

THE PRECEDING SCHEDULE OF PRICES MUST BE

COMPLETED AND RETURNED.

RETURN WITH BID

**STATE REQUIRED ETHICAL
STANDARDS GOVERNING CONTRACT
PROCUREMENT: ASSURANCES, CERTIFICATIONS
AND DISCLOSURES**

I. GENERAL

A. Article 50 of the Illinois Procurement Code establishes the duty of all State chief procurement officers, State purchasing officers, and their designees to maximize the value of the expenditure of public moneys in procuring goods, services, and contracts for the State of Illinois and to act in a manner that maintains the integrity and public trust of State government. In discharging this duty, they are charged by law to use all available information, reasonable efforts, and reasonable actions to protect, safeguard, and maintain the procurement process of the State of Illinois.

B. In order to comply with the provisions of Article 50 and to carry out the duty established therein, all bidders are to adhere to ethical standards established for the procurement process, and to make such assurances, disclosures and certifications required by law. By execution of the Proposal Signature Sheet, the bidder indicates that each of the mandated assurances has been read and understood, that each certification is made and understood, and that each disclosure requirement has been understood and completed.

C. In addition to all other remedies provided by law, failure to comply with any assurance, failure to make any disclosure or the making of a false certification shall be grounds for termination of the contract and the suspension or debarment of the bidder.

II. ASSURANCES

A. The assurances hereinafter made by the bidder are each a material representation of fact upon which reliance is placed should the Department enter into the contract with the bidder. The Department may terminate the contract if it is later determined that the bidder rendered a false or erroneous assurance, and the surety providing the performance bond shall be responsible for the completion of the contract.

B. Felons

1. The Illinois Procurement Code provides:

Section 50-10. Felons. Unless otherwise provided, no person or business convicted of a felony shall do business with the State of Illinois or any state agency from the date of conviction until 5 years after the date of completion of the sentence for that felony, unless no person held responsible by a prosecutorial office for the facts upon which the conviction was based continues to have any involvement with the business.

2. The bidder assures the Department that the award and execution of the contract would not cause a violation of Section 50-10.

C. Conflicts of Interest

1. The Illinois Procurement Code provides in pertinent part:

Section 50-13. Conflicts of Interest.

(a) Prohibition. It is unlawful for any person holding an elective office in this State, holding a seat in the General Assembly, or appointed to or employed in any of the offices or agencies of state government and who receives compensation for such employment in excess of 60% of the salary of the Governor of the State of Illinois, or who is an officer or employee of the Capital Development Board or the Illinois Toll Highway Authority, or who is the spouse or minor child of any such person to have or acquire any contract, or any direct pecuniary interest in any contract therein, whether for stationery, printing, paper, or any services, materials, or supplies, that will be wholly or partially satisfied by the payment of funds appropriated by the General Assembly of the State of Illinois or in any contract of the Capital Development Board or the Illinois Toll Highway authority.

(b) Interests. It is unlawful for any firm, partnership, association or corporation, in which any person listed in subsection (a) is entitled to receive (i) more than 7 1/2% of the total distributable income or (ii) an amount in excess of the salary of the Governor, to have or acquire any such contract or direct pecuniary interest therein.

(c) Combined interests. It is unlawful for any firm, partnership, association, or corporation, in which any person listed in subsection (a) together with his or her spouse or minor children is entitled to receive (i) more than 15%, in the aggregate, of the total distributable income or (ii) an amount in excess of 2 times the salary of the Governor, to have or acquire any such contract or direct pecuniary interest therein.

(d) Securities. Nothing in this Section invalidates the provisions of any bond or other security previously offered or to be offered for sale or sold by or for the State of Illinois.

(e) Prior interests. This Section does not affect the validity of any contract made between the State and an officer or employee of the State or member of the General Assembly, his or her spouse, minor child or any combination of those persons if that contract was in existence before his or her election or employment as an officer, member, or employee. The contract is voidable, however, if it cannot be completed within 365 days after the officer, member, or employee takes office or is employed.

The current salary of the Governor is \$150,700.00. Sixty percent of the salary is \$90,420.00.

2. The bidder assures the Department that the award and execution of the contract would not cause a violation of Section 50-13, or that an effective exemption has been issued by the Board of Ethics to any individual subject to the Section 50-13 prohibitions pursuant to the provisions of Section 50-20 of the Code and Executive Order Number 3 (1998). Information concerning the exemption process is available from the Department upon request.

D. Negotiations

1. The Illinois Procurement Code provides in pertinent part:

Section 50-15. Negotiations.

(a) It is unlawful for any person employed in or on a continual contractual relationship with any of the offices or agencies of State government to participate in contract negotiations on behalf of that office or agency with any firm, partnership, association, or corporation with whom that person has a contract for future employment or is negotiating concerning possible future employment.

2. The bidder assures the Department that the award and execution of the contract would not cause a violation of Section 50-15, and that the bidder has no knowledge of any facts relevant to the kinds of acts prohibited therein.

RETURN WITH BID

E. Inducements

1. The Illinois Procurement Code provides:

Section 50-25. Inducement. Any person who offers or pays any money or other valuable thing to any person to induce him or her not to bid for a State contract or as recompense for not having bid on a State contract is guilty of a Class 4 felony. Any person who accepts any money or other valuable thing for not bidding for a State contract or who withholds a bid in consideration of the promise for the payment of money or other valuable thing is guilty of a Class 4 felony.

2. The bidder assures the Department that the award and execution of the contract would not cause a violation of Section 50-25, and that the bidder has no knowledge of any facts relevant to the kinds of acts prohibited therein.

F. Revolving Door Prohibition

1. The Illinois Procurement Code provides:

Section 50-30. Revolving door prohibition. Chief procurement officers, associate procurement officers, State purchasing officers, their designees whose principal duties are directly related to State procurement, and executive officers confirmed by the Senate are expressly prohibited for a period of 2 years after terminating an affected position from engaging in any procurement activity relating to the State agency most recently employing them in an affected position for a period of at least 6 months. The prohibition includes, but is not limited to: lobbying the procurement process; specifying; bidding; proposing bid, proposal, or contract documents; on their own behalf or on behalf of any firm, partnership, association, or corporation. This Section applies only to persons who terminate an affected position on or after January 15, 1999.

2. The bidder assures the Department that the award and execution of the contract would not cause a violation of Section 50-30, and that the bidder has no knowledge of any facts relevant to the kinds of acts prohibited therein.

G. Reporting Anticompetitive Practices

1. The Illinois Procurement Code provides:

Section 50-40. Reporting anticompetitive practices. When, for any reason, any vendor, bidder, contractor, chief procurement officer, State purchasing officer, designee, elected official, or State employee suspects collusion or other anticompetitive practice among any bidders, offers, contractors, proposers, or employees of the State, a notice of the relevant facts shall be transmitted to the Attorney General and the chief procurement officer.

2. The bidder assures the Department that it has not failed to report any relevant facts concerning the practices addressed in Section 50-40 which may involve the contract for which the bid is submitted.

H. Confidentiality

1. The Illinois Procurement Code provides:

Section 50-45. Confidentiality. Any chief procurement officer, State purchasing officer, designee, or executive officer who willfully uses or allows the use of specifications, competitive bid documents, proprietary competitive information, proposals, contracts, or selection information to compromise the fairness or integrity of the procurement, bidding, or contract process shall be subject to immediate dismissal, regardless of the Personnel code, any contract, or any collective bargaining agreement, and may in addition be subject to criminal prosecution.

2. The bidder assures the Department that it has no knowledge of any fact relevant to the practices addressed in Section 50-45 which may involve the contract for which the bid is submitted.

RETURN WITH BID

I. Insider Information

1. The Illinois Procurement Act provides:

Section 50-50. Insider information. It is unlawful for any current or former elected or appointed State official or State employee to knowingly use confidential information available only by virtue of that office or employment for actual or anticipated gain for themselves or another person.

2. The bidder assures the Department that it has no knowledge of any facts relevant to the practices addressed in Section 50-50 which may involve the contract for which the bid is submitted.

III. CERTIFICATIONS

A. The certifications hereinafter made by the bidder are each a material representation of fact upon which reliance is placed should the Department enter into the contract with the bidder. The Department may terminate the contract if it is later determined that the bidder rendered a false or erroneous certification, and the surety providing the performance bond shall be responsible for completion of the contract.

B. Bribery

1. The Illinois Procurement Code provides:

Section 50-5. Bribery.

(a) Prohibition. No person or business shall be awarded a contract or subcontract under this Code who:

(1) has been convicted under the laws of Illinois or any other state of bribery or attempting to bribe an officer or employee of the State of Illinois or any other state in that officer's or employee's official capacity; or

(2) has made an admission of guilt of that conduct that is a matter of record but has not been prosecuted for that conduct.

(b) Businesses. No business shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of the business if the employee or agent is no longer employed by the business and:

(1) the business has been finally adjudicated not guilty; or

(2) the business demonstrates to the governmental entity with which it seeks to contract, and that entity finds that the commission of the offense was not authorized, requested, commanded, or performed by a director, officer, or high managerial agent on behalf of the business as provided in paragraph (2) of subsection (a) of Section 5-4 of the Criminal Code of 1961.

(c) Conduct on behalf of business. For purposes of this Section, when an official, agent, or employee of a business committed the bribery or attempted bribery on behalf of the business and in accordance with the direction or authorization of a responsible official of the business, the business shall be chargeable with the conduct.

(d) Certification. Every bid submitted to and contract executed by the State shall contain a certification by the contractor that the contractor is not barred from being awarded a contract or subcontract under this Section. A contractor who makes a false statement, material to the certification, commits a Class 3 felony.

2. The bidder certifies that it is not barred from being awarded a contract under Section 50.5.

RETURN WITH BID

C. Educational Loan

1. Section 3 of the Educational Loan Default Act provides:

§ 3. No State agency shall contract with an individual for goods or services if that individual is in default, as defined in Section 2 of this Act, on an educational loan. Any contract used by any State agency shall include a statement certifying that the individual is not in default on an educational loan as provided in this Section.

2. The bidder, if an individual as opposed to a corporation, partnership or other form of business organization, certifies that the bidder is not in default on an educational loan as provided in Section 3 of the Act.

D. Bid-Rigging/Bid Rotating

1. Section 33E-11 of the Criminal Code of 1961 provides:

§ 33E-11. (a) Every bid submitted to and public contract executed pursuant to such bid by the State or a unit of local government shall contain a certification by the prime contractor that the prime contractor is not barred from contracting with any unit of State or local government as a result of a violation of either Section 33E-3 or 33E-4 of this Article. The State and units of local government shall provide the appropriate forms for such certification.

(b) A contractor who makes a false statement, material to the certification, commits a Class 3 felony.

A violation of Section 33E-3 would be represented by a conviction of the crime of bid-rigging which, in addition to Class 3 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be barred for 5 years from the date of conviction from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent in behalf of the corporation.

A violation of Section 33E-4 would be represented by a conviction of the crime of bid-rotating which, in addition to Class 2 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be permanently barred from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent in behalf of the corporation.

2. The bidder certifies that it is not barred from contracting with the Department by reason of a violation of either Section 33E-3 or Section 33E-4.

E. International Anti-Boycott

1. Section 5 of the International Anti-Boycott Certification Act provides:

§ 5. State contracts. Every contract entered into by the State of Illinois for the manufacture, furnishing, or purchasing of supplies, material, or equipment or for the furnishing of work, labor, or services, in an amount exceeding the threshold for small purchases according to the purchasing laws of this State or \$10,000.00, whichever is less, shall contain certification, as a material condition of the contract, by which the contractor agrees that neither the contractor nor any substantially-owned affiliated company is participating or shall participate in an international boycott in violation of the provisions of the U.S. Export Administration Act of 1979 or the regulations of the U.S. Department of Commerce promulgated under that Act.

2. The bidder makes the certification set forth in Section 5 of the Act.

RETURN WITH BID

F. Drug Free Workplace

1. The Illinois “Drug Free Workplace Act” applies to this contract and it is necessary to comply with the provisions of the “Act” if the contractor is a corporation, partnership, or other entity (including a sole proprietorship) which has 25 or more employees.

2. The bidder certifies that if awarded a contract in excess of \$5,000 it will provide a drug free workplace by:

(a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensation, possession or use of a controlled substance, including cannabis, is prohibited in the contractor’s workplace; specifying the actions that will be taken against employees for violations of such prohibition; and notifying the employee that, as a condition of employment on such contract, the employee shall abide by the terms of the statement, and notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five (5) days after such conviction.

(b) Establishing a drug free awareness program to inform employees about the dangers of drug abuse in the workplace; the contractor’s policy of maintaining a drug free workplace; any available drug counseling, rehabilitation, and employee assistance programs; and the penalties that may be imposed upon employees for drug violations.

(c) Providing a copy of the statement required by subparagraph (1) to each employee engaged in the performance of the contract and to post the statement in a prominent place in the workplace.

(d) Notifying the Department within ten (10) days after receiving notice from an employee or otherwise receiving actual notice of the conviction of an employee for a violation of any criminal drug statute occurring in the workplace.

(e) Imposing or requiring, within 30 days after receiving notice from an employee of a conviction or actual notice of such a conviction, an appropriate personnel action, up to and including termination, or the satisfactory participation in a drug abuse assistance or rehabilitation program approved by a federal, state or local health, law enforcement or other appropriate agency.

(f) Assisting employees in selecting a course of action in the event drug counseling, treatment, and rehabilitation is required and indicating that a trained referral team is in place.

(g) Making a good faith effort to continue to maintain a drug free workplace through implementation of the actions and efforts stated in this certification.

G. Debt Delinquency

1. The Illinois Procurement Code provides:

Section 50-11 and 50-12. Debt Delinquency.

The contractor or bidder certifies that it, or any affiliate, is not barred from being awarded a contract under 30 ILCS 500. Section 50-11 prohibits a person from entering into a contract with a State agency if it knows or should know that it, or any affiliate, is delinquent in the payment of any debt to the State as defined by the Debt Collection Board. Section 50-12 prohibits a person from entering into a contract with a State agency if it, or any affiliate, has failed to collect and remit Illinois Use Tax on all sales of tangible personal property into the State of Illinois in accordance with the provisions of the Illinois Use Tax Act. The contractor further acknowledges that the contracting State agency may declare the contract void if this certification is false or if the contractor, or any affiliate, is determined to be delinquent in the payment of any debt to the State during the term of the contract.

RETURN WITH BID

H. Sarbanes-Oxley Act of 2002

1. The Illinois Procurement Code provides:

Section 50-60(c).

The contractor certifies in accordance with 30 ILCS 500/50-10.5 that no officer, director, partner or other managerial agent of the contracting business has been convicted of a felony under the Sarbanes-Oxley Act of 2002 or a Class 3 or Class 2 felony under the Illinois Securities Law of 1953 for a period of five years prior to the date of the bid or contract. The contractor acknowledges that the contracting agency shall declare the contract void if this certification is false.

I. Addenda

The contractor or bidder certifies that all relevant addenda have been incorporated in to this contract. Failure to do so may cause the bid to be declared unacceptable.

J. Section 42 of the Environmental Protection Act

The contractor certifies in accordance with 30 ILCS 500/50-12 that the bidder or contractor is not barred from being awarded a contract under this Section which prohibits the bidding on or entering into contracts with the State of Illinois or a State agency by a person or business found by a court or the Pollution Control Board to have committed a willful or knowing violation of Section 42 of the Environmental Protection Act for a period of five years from the date of the order. The contractor acknowledges that the contracting agency may declare the contract void if this certification is false.

K. Apprenticeship and Training Certification (Does not apply to federal aid projects)

In accordance with the provisions of Section 30-22 (6) of the Illinois Procurement Code, the bidder certifies that it is a participant, either as an individual or as part of a group program, in the approved apprenticeship and training programs applicable to each type of work or craft that the bidder will perform with its own forces. The bidder further certifies for work that will be performed by subcontract that each of its subcontractors submitted for approval either (a) is, at the time of such bid, participating in an approved, applicable apprenticeship and training program; or (b) will, prior to commencement of performance of work pursuant to this contract, begin participation in an approved apprenticeship and training program applicable to the work of the subcontract. The Department, at any time before or after award, may require the production of a copy of each applicable Certificate of Registration issued by the United States Department of Labor evidencing such participation by the contractor and any or all of its subcontractors. Applicable apprenticeship and training programs are those that have been approved and registered with the United States Department of Labor. The bidder shall list in the space below, the official name of the program sponsor holding the Certificate of Registration for all of the types of work or crafts in which the bidder is a participant and that will be performed with the bidder's forces. Types of work or craft work that will be subcontracted shall be included and listed as subcontracted work. The list shall also indicate any type of work or craft job category that does not have an applicable apprenticeship or training program. **The bidder is responsible for making a complete report and shall make certain that each type of work or craft job category that will be utilized on the project as reported on the Construction Employee Workforce Projection (Form BC-1256) and returned with the bid is accounted for and listed.**

N/A (Federal)

The requirements of this certification and disclosure are a material part of the contract, and the contractor shall require this certification provision to be included in all approved subcontracts. In order to fulfill this requirement, it shall not be necessary that an applicable program sponsor be currently taking or that it will take applications for apprenticeship, training or employment during the performance of the work of this contract.

RETURN WITH BID

L. Executive Order Number 1 (2007) Regarding Lobbying on Government Procurements

The bidder hereby warrants and certifies that they have complied and will comply with the requirements set forth in this Order. The requirements of this warrant and certification are a material part of the contract, and the contractor shall require this warrant and certification provision to be included in all approved subcontracts.

M. Disclosure of Business Operations in Iran

Public Act 95-0616 provides that each bid, offer, or proposal submitted for a State contract shall include a disclosure of whether or not the Company acting as the bidder, offeror, or proposing entity, or any of its corporate parents or subsidiaries, within the 24 months before submission of the bid, offer, or proposal had business operations that involved contracts with or provision of supplies or services to the Government of Iran, companies in which the Government of Iran has any direct or indirect equity share, consortiums or projects commissioned by the Government of Iran, or companies involved in consortiums or projects commissioned by the Government of Iran and either of the following conditions apply:

(1) More than 10% of the Company's revenues produced in or assets located in Iran involve oil-related activities or mineral-extraction activities; less than 75% of the Company's revenues produced in or assets located in Iran involve contracts with or provision of oil-related or mineral-extraction products or services to the Government of Iran or a project or consortium created exclusively by that government; and the Company has failed to take substantial action.

(2) The Company has, on or after August 5, 1996, made an investment of \$20 million or more, or any combination of investments of at least \$10 million each that in the aggregate equals or exceeds \$20 million in any 12-month period, which directly or significantly contributes to the enhancement of Iran's ability to develop petroleum resources of Iran.

The terms "Business operations", "Company", "Mineral-extraction activities", "Oil-related activities", "Petroleum resources", and "Substantial action" are all defined in the Act.

Failure to make the disclosure required by the Act shall cause the bid, offer or proposal to be considered not responsive. The disclosure will be considered when evaluating the bid, offer, or proposal or awarding the contract. The name of each Company disclosed as doing business or having done business in Iran will be provided to the State Comptroller.

Check the appropriate statement:

Company has no business operations in Iran to disclose.

Company has business operations in Iran as disclosed in the attached document.

RETURN WITH BID

N. PA 95-0635 SUBSTANCE ABUSE PREVENTION PROGRAM (SAPP)

Effective January 1, 2008

This Public Act requires that all contractors and subcontractors on Prevailing Wage Projects have a SAPP, meeting certain requirements, in place before starting work.

The as read low bidder is required to submit a correctly completed SAPP Certification Form BC 261 within seven (7) working days after the Letting. The Department will not accept a SAPP that does not meet the seven day submittal requirement and the bid will be declared not responsive. In the event the bid is declared not responsive due to failure to comply the Department may elect to cause the forfeiture of the penal sum of the bidder's proposal guaranty, may deny authorization to bid the project if re-advertised for bids and may not allow the bidder to participate on subsequent Lettings.

Submittal and approval of the bidder's SAPP is a condition of award.

The SAPP is to be submitted to:

Department of Transportation
Division of Aeronautics
Attn: Chief Engineer
1 Langhorne Bond Drive
Capital Airport
Springfield, IL 62707-8415.

Telephone number (217) 785-8514

Telefax number (217) 785-4533

It is the bidder's responsibility to obtain confirmation of delivery.

The requirements of this Public Act are a material part of the contract, and the contractor shall require this provision to be included in all approved subcontracts. The contractor shall submit the correctly completed SAPP Certification Form BC 261 for each subcontractor with the Request for Approval of Subcontractor.

RETURN WITH BID

IV. DISCLOSURES

A. The disclosures hereinafter made by the bidder are each a material representation of fact upon which reliance is placed should the Department enter into the contract with the bidder. The Department may terminate the contract if it is later determined that the bidder rendered a false or erroneous disclosure, and the surety providing the performance bond shall be responsible for completion of the contract.

B. Financial Interests and Conflicts of Interest

1. Section 50-35 of the Illinois Procurement Code provides that all bids of more than \$10,000 shall be accompanied by disclosure of the financial interests of the bidder. This disclosed information for the successful bidder, will be maintained as public information subject to release by request pursuant to the Freedom of Information Act.

The financial interests to be disclosed shall include ownership or distributive income share that is in excess of 5%, or an amount greater than 60% of the annual salary of the Governor, of the bidding entity or its parent entity, whichever is less, unless the contractor or bidder is a publicly traded entity subject to Federal 10K reporting, in which case it may submit its 10K disclosure in place of the prescribed disclosure. The disclosure shall include the names, addresses, and dollar or proportionate share of ownership of each person making the disclosure, their instrument of ownership or beneficial relationship, and notice of any potential conflict of interest resulting from the current ownership or beneficial interest of each person making the disclosure having any of the relationships identified in Section 50-35 and on the disclosure form.

In addition, all disclosures shall indicate any other current or pending contracts, proposals, leases, or other ongoing procurement relationships the bidding entity has with any other unit of state government and shall clearly identify the unit and the contract, proposal, lease, or other relationship.

2. Disclosure Forms. Disclosure Form A is attached for use concerning the individuals meeting the above ownership or distributive share requirements. Subject individuals should be covered each by one form. In addition, a second form (Disclosure Form B) provides for the disclosure of current or pending procurement relationships with other (non-IDOT) state agencies. **The forms must be included with each bid or incorporated by reference.**

C. Disclosure Form Instructions

Form A: For bidders that have previously submitted the information requested in Form A

The Department has retained the Form A disclosures submitted by all bidders responding to these requirements for the April 24, 1998 or any subsequent letting conducted by the Department. The bidder has the option of submitting the information again or the bidder may sign the following certification statement indicating that the information previously submitted by the bidder is, as of the date of signature, current and accurate. The Certification must be signed and dated by a person who is authorized to execute contracts for the bidding company. Before signing this certification, the bidder should carefully review its prior submissions to ensure the Certification is correct. If the Bidder signs the Certification, the Bidder should proceed to Form B instructions.

CERTIFICATION STATEMENT

I have determined that the Form A disclosure information previously submitted is current and accurate, and all forms are hereby incorporated by reference in this bid. Any necessary additional forms or amendments to previously submitted forms are attached to this bid.

(Bidding Company)

Name of Authorized Representative (type or print)

Title of Authorized Representative (type or print)

Signature of Authorized Representative

Date

Form A: For bidders who have NOT previously submitted the information requested in Form A

If the bidder is a publicly traded entity subject to Federal 10K reporting, the 10K Report may be submitted to meet the requirements of Form A. If a bidder is not subject to Federal 10K reporting, the bidder must determine if any individuals are required by law to complete a financial disclosure form. To do this, the bidder should answer each of the following questions. A "YES" answer indicates Form A must be completed. If the answer to each of the following questions is "NO", then the NOT APPLICABLE STATEMENT on the second page of Form A must be signed and dated by a person that is authorized to execute contracts for the bidding company. Note These questions are for assistance only and are not required to be completed.

1. Does anyone in your organization have a direct or beneficial ownership share of greater than 5% of the bidding entity or parent entity? YES _____ NO _____
2. Does anyone in your organization have a direct or beneficial ownership share of less than 5%, but which has a value greater than \$87,526.20? YES _____ NO _____
3. Does anyone in your organization receive more than \$87,526.20 of the bidding entity's or parent entity's distributive income? (Note: Distributive income is, for these purposes, any type of distribution of profits. An annual salary is not distributive income.) YES _____ NO _____
4. Does anyone in your organization receive greater than 5% of the bidding entity's or parent entity's total distributive income, but which is less than \$87,526.20? YES _____ NO _____

(Note: Only one set of forms needs to be completed per person per bid even if a specific individual would require a yes answer to more than one question.)

A "YES" answer to any of these questions requires the completion of Form A. The bidder must determine each individual in the bidding entity or the bidding entity's parent company that would cause the questions to be answered "Yes". Each form must be signed and dated by a person that is authorized to execute contracts for your organization. **Photocopied or stamped signatures are not acceptable.** The person signing can be, but does not have to be, the person for which the form is being completed. The bidder is responsible for the accuracy of any information provided.

If the answer to each of the above questions is "NO", then the NOT APPLICABLE STATEMENT on page 2 of Form A must be signed and dated by a person that is authorized to execute contracts for your company.

Form B: Identifying Other Contracts & Procurement Related Information Disclosure Form B must be completed for each bid submitted by the bidding entity. It must be signed by an individual who is authorized to execute contracts for the bidding entity. *Note: Signing the NOT APPLICABLE STATEMENT on Form A does not allow the bidder to ignore Form B. Form B must be completed, signed and dated or the bidder may be considered nonresponsive and the bid will not be accepted.*

The Bidder shall identify, by checking Yes or No on Form B, whether it has any pending contracts (including leases), bids, proposals, or other ongoing procurement relationship with any other (non-IDOT) State of Illinois agency. If "No" is checked, the bidder only needs to complete the signature box on the bottom of Form B. If "Yes" is checked, the bidder must do one of the following:

Option I: If the bidder did not submit an Affidavit of Availability to obtain authorization to bid, the bidder must list all non-IDOT State of Illinois agency pending contracts, leases, bids, proposals, and other ongoing procurement relationships. These items may be listed on Form B or on an attached sheet(s). Do not include IDOT contracts. Contracts with cities, counties, villages, etc. are not considered State of Illinois agency contracts and are not to be included. Contracts with other State of Illinois agencies such as the Department of Natural Resources or the Capital Development Board must be included. Bidders who submit Affidavits of Availability are suggested to use Option II.

Option II: If the bidder is required and has submitted an Affidavit of Availability in order to obtain authorization to bid, the bidder may write or type "See Affidavit of Availability" which indicates that the Affidavit of Availability is incorporated by reference and includes all non-IDOT State of Illinois agency pending contracts, leases, bids, proposals, and other ongoing procurement relationships. For any contracts that are not covered by the Affidavit of Availability, the bidder must identify them on Form B or on an attached sheet(s). These might be such things as leases.

D. Bidders Submitting More Than One Bid

Bidders submitting multiple bids may submit one set of forms consisting of all required Form A disclosures and one Form B for use with all bids. Please indicate in the space provided below the bid item that contains the original disclosure forms and the bid items which incorporate the forms by reference.

- The bid submitted for letting item _____ contains the Form A disclosures or Certification Statement and the Form B disclosures. The following letting items incorporate the said forms by reference:

**ILLINOIS DEPARTMENT
OF TRANSPORTATION**

**Form A
Financial Information &
Potential Conflicts of Interest
Disclosure**

Contractor Name		
Legal Address		
City, State, Zip		
Telephone Number		Fax Number (if available)

Disclosure of the information contained in this Form is required by the Section 50-35 of the Illinois Procurement Code (30 ILCS 500). Vendors desiring to enter into a contract with the State of Illinois must disclose the financial information and potential conflict of interest information as specified in this Disclosure Form. This information shall become part of the publicly available contract file. This Form A must be completed for bids in excess of \$10,000, and for all open-ended contracts. **A publicly traded company may submit a 10K disclosure in satisfaction of the requirements set forth in Form A. See Disclosure Form Instructions.**

DISCLOSURE OF FINANCIAL INFORMATION

1. Disclosure of Financial Information. The individual named below has an interest in the BIDDER (or its parent) in terms of ownership or distributive income share in excess of 5%, or an interest which has a value of more than \$87,526.20 (60% of the Governor’s salary as of 10/1/2000). **(Make copies of this form as necessary and attach a separate Disclosure Form A for each individual meeting these requirements)**

FOR INDIVIDUAL (type or print information)	
NAME:	_____
ADDRESS	_____
Type of ownership/distributable income share:	
stock _____	sole proprietorship _____
partnership _____	other: (explain on separate sheet): _____
% or \$ value of ownership/distributable income share: _____	

2. Disclosure of Potential Conflicts of Interest. Check “Yes” or “No” to indicate which, if any, of the following potential conflict of interest relationships apply. If the answer to any question is “Yes”, please attach additional pages and describe.

(a) State employment, currently or in the previous 3 years, including contractual employment of services.
Yes _____ No _____

(b) State employment of spouse, father, mother, son, or daughter, including contractual employment for services in the previous 2 years.
Yes _____ No _____

(c) Elective status; the holding of elective office of the State of Illinois, the government of the United States, any unit of local government authorized by the Constitution of the State of Illinois or the statutes of the State of Illinois currently or in the previous 3 years.
Yes _____ No _____

(d) Relationship to anyone holding elective office currently or in the previous 2 years; spouse, father, mother, son, or daughter
Yes _____ No _____

RETURN WITH BID/OFFER

(e) Appointive office; the holding of any appointive government office of the State of Illinois, the United States of America, or any unit of local government authorized by the Constitution of the State of Illinois or the statutes of the State of Illinois, which office entitles the holder to compensation in excess of the expenses incurred in the discharge of that office currently or in the previous 3 years.

Yes _____ No _____

(f) Relationship to anyone holding appointive office currently or in the previous 2 years; spouse, father, mother, son, or daughter.

Yes _____ No _____

(g) Employment, currently or in the previous 3 years, as or by any registered lobbyist of the State government.

Yes _____ No _____

(h) Relationship to anyone who is or was a registered lobbyist in the previous 2 years; spouse, father, mother, son, or daughter.

Yes _____ No _____

(i) Compensated employment, currently or in the previous 3 years, by any registered election or reelection committee registered with the Secretary of State or any county clerk of the State of Illinois, or any political action committee registered with either the Secretary of State or the Federal Board of Elections.

Yes _____ No _____

(j) Relationship to anyone; spouse, father, mother, son, or daughter; who was a compensated employee in the last 2 years by any registered election or re-election committee registered with the Secretary of State or any county clerk of the State of Illinois, or any political action committee registered with either the Secretary of State or the Federal Board of Elections.

Yes _____ No _____

APPLICABLE STATEMENT

This Disclosure Form A is submitted on behalf of the INDIVIDUAL named on previous page.

Completed by:

Name of Authorized Representative (type or print)

Completed by:

Title of Authorized Representative (type or print)

Completed by:

_____ _____
Signature of Individual or Authorized Representative Date

NOT APPLICABLE STATEMENT

I have determined that no individuals associated with this organization meet the criteria that would require the completion of this Form A.

This Disclosure Form A is submitted on behalf of the CONTRACTOR listed on the previous page.

Name of Authorized Representative (type or print)

Title of Authorized Representative (type or print)

_____ _____
Signature of Authorized Representative Date

**ILLINOIS DEPARTMENT
OF TRANSPORTATION**

**Form B
Other Contracts &
Procurement Related Information
Disclosure**

Contractor Name		
Legal Address		
City, State, Zip		
Telephone Number		Fax Number (if available)

Disclosure of the information contained in this Form is required by the Section 50-35 of the Illinois Procurement Act (30 ILCS 500). This information shall become part of the publicly available contract file. This Form B must be completed for bids in excess of \$10,000, and for all open-ended contracts.

DISCLOSURE OF OTHER CONTRACTS AND PROCUREMENT RELATED INFORMATION

1. Identifying Other Contracts & Procurement Related Information. The BIDDER shall identify whether it has any pending contracts (including leases), bids, proposals, or other ongoing procurement relationship with any other State of Illinois agency: Yes _____ No _____

If **“No”** is checked, the bidder only needs to complete the signature box on the bottom of this page.

2. If “Yes” is checked. Identify each such relationship by showing State of Illinois agency name and other descriptive information such as bid or project number (attach additional pages as necessary). SEE DISCLOSURE FORM INSTRUCTIONS:

THE FOLLOWING STATEMENT MUST BE SIGNED

Name of Authorized Representative (type or print)	

Title of Authorized Representative (type or print)	
_____	_____
Signature of Authorized Representative	Date

RETURN WITH BID

SPECIAL NOTICE TO CONTRACTORS

The following requirements of the Illinois Department of Human Rights' Rules and Regulations are applicable to bidders on all construction contracts advertised by the Illinois Department of Transportation:

CONSTRUCTION EMPLOYEE UTILIZATION PROJECTION

- (a) All bidders on construction contracts shall complete and submit, along with and as part of their bids, a Bidder's Employee Utilization Form (Form BC-1256) setting forth a projection and breakdown of the total workforce intended to be hired and/or allocated to such contract work by the bidder including a projection of minority and female employee utilization in all job classifications on the contract project.
- (b) The Department of Transportation shall review the Employee Utilization Form, and workforce projections contained therein, of the contract awardee to determine if such projections reflect an underutilization of minority persons and/or women in any job classification in accordance with the Equal Employment Opportunity Clause and Section 7.2 of the Illinois Department of Human Rights' Rules and Regulations for Public Contracts adopted as amended on September 17, 1980. If it is determined that the contract awardee's projections reflect an underutilization of minority persons and/or women in any job classification, it shall be advised in writing of the manner in which it is underutilizing and such awardee shall be considered to be in breach of the contract unless, prior to commencement of work on the contract project, it submits revised satisfactory projections or an acceptable written affirmative action plan to correct such underutilization including a specific timetable geared to the completion stages of the contract.
- (c) The Department of Transportation shall provide to the Department of Human Rights a copy of the contract awardee's Employee Utilization Form, a copy of any required written affirmative action plan, and any written correspondence related thereto. The Department of Human Rights may review and revise any action taken by the Department of Transportation with respect to these requirements.



PART I. IDENTIFICATION

Human Rights

Bid Number: _____ Duration of Project: _____

Name of Bidder: _____

PART II. WORKFORCE PROJECTION

A. The undersigned bidder has analyzed minority group and female populations, unemployment rates and availability of workers for the location in which this contract work is to be performed, and for the locations from which the bidder recruits employees, and hereby submits the following workforce projection including a projection for minority and female employee utilization in all job categories in the workforce to be allocated to this contract:

TABLE A

Table with 13 columns: JOB CATEGORIES, TOTAL EMPLOYEES (M, F), MINORITY EMPLOYEES (BLACK, HISPANIC, *OTHER MINOR. (M, F)), APPRENTICES (M, F), ON THE JOB TRAINEES (M, F). Rows include various job categories like OFFICIALS, SUPERVISORS, MECHANICS, etc.

TABLE B

Table with 4 columns: TOTAL EMPLOYEES (M, F), MINORITY EMPLOYEES (M, F). Title: CURRENT EMPLOYEES TO BE ASSIGNED TO CONTRACT

TABLE C

Table with 9 columns: EMPLOYEES IN TRAINING, TOTAL EMPLOYEES (M, F), BLACK (M, F), HISPANIC (M, F), *OTHER MINOR. (M, F). Rows: APPRENTICES, ON THE JOB TRAINEES

*Other minorities are defined as Asians (A) or Native Americans (N). Please specify race of each employee shown in Other Minorities column.

Note: See instructions on page 2

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PART II. WORKFORCE PROJECTION - continued

- B. Included in "Total Employees" under Table A is the total number of **new hires** that would be employed in the event the undersigned bidder is awarded this contract.

The undersigned bidder projects that: (number) _____ new hires would be recruited from the area in which the contract project is located; and/or (number) _____ new hires would be recruited from the area in which the bidder's principal office or base of operation is located.

- C. Included in "Total Employees" under Table A is a projection of numbers of persons to be employed directly by the undersigned bidder as well as a projection of numbers of persons to be employed by subcontractors.

The undersigned bidder estimates that (number) _____ persons will be directly employed by the prime contractor and that (number) _____ persons will be employed by subcontractors.

PART III. AFFIRMATIVE ACTION PLAN

- A. The undersigned bidder understands and agrees that in the event the foregoing minority and female employee utilization projection included under **PART II** is determined to be an underutilization of minority persons or women in any job category, and in the event that the undersigned bidder is awarded this contract, he/she will, prior to commencement of work, develop and submit a written Affirmative Action Plan including a specific timetable (geared to the completion stages of the contract) whereby deficiencies in minority and/or female employee utilization are corrected. Such Affirmative Action Plan will be subject to approval by the contracting agency and the **Department of Human Rights**.
- B. The undersigned bidder understands and agrees that the minority and female employee utilization projection submitted herein, and the goals and timetable included under an Affirmative Action Plan if required, are deemed to be part of the contract specifications.

Company _____ Telephone Number _____

 Address _____

NOTICE REGARDING SIGNATURE

The Bidder's signature on the Proposal Signature Sheet will constitute the signing of this form. The following signature block needs to be completed only if revisions are required.

Signature: _____ Title: _____ Date: _____

- Instructions: All tables must include subcontractor personnel in addition to prime contractor personnel.
- Table A - Include both the number of employees that would be hired to perform the contract work and the total number currently employed (Table B) that will be allocated to contract work, and include all apprentices and on-the-job trainees. The "Total Employees" column should include all employees including all minorities, apprentices and on-the-job trainees to be employed on the contract work.
 - Table B - Include all employees currently employed that will be allocated to the contract work including any apprentices and on-the-job trainees currently employed.
 - Table C - Indicate the racial breakdown of the total apprentices and on-the-job trainees shown in Table A.

RETURN WITH BID

CERTIFICATIONS REQUIRED BY STATE AND/OR FEDERAL LAW. The bidder is required by State and/or Federal law to make the below certifications and assurances as a part of the proposal and contract upon award. It is understood by the bidder that the certifications and assurances made herein are a part of the contract.

By signing the Proposal Signature Sheet, the bidder certifies that he/she has read and completed each of the following certifications and assurances, that required responses are true and correct and that the certified signature of the Proposal Signature Sheet constitutes an endorsement and execution of each certification and assurance as though each was individually signed:

A. By the execution of this proposal, the signing bidder certifies that the bidding entity has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action, in restraint of free competitive bidding in connection with the submitted bid. This statement made by the undersigned bidder is true and correct under penalty of perjury under the laws of the United States.

B. **CERTIFICATION, EQUAL EMPLOYMENT OPPORTUNITY:**

1. Have you participated in any previous contracts or subcontracts subject to the equal opportunity clause.
YES _____ NO _____

2. If answer to #1 is yes, have you filed with the Joint Reporting Committee, the Director of OFCC, any Federal agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements of those organizations? YES _____ NO _____

C. **BUY AMERICAN - STEEL AND MANUFACTURED PRODUCTS FOR CONSTRUCTION CONTRACTS (JAN 1991)**

(a) The Aviation Safety and Capacity Expansion Act of 1990 provides that preference be given to steel and manufactured products produced in the United States when funds are expended pursuant to a grant issued under the Airport Improvement Program. The following terms apply:

1. Steel and manufactured products. As used in this clause, steel and manufactured products include (1) steel produced in the United States or (2) a manufactured product produced in the United States, if the cost of its components mined, produced or manufactured in the United States exceeds 60 percent of the cost of all its components and final assembly has taken place in the United States. Components of foreign origin of the same class or kind as the products referred to in subparagraphs (b)(1) or (2) shall be treated as domestic.

2. Components. As used in this clause, components means those articles, materials, and supplies incorporated directly into steel and manufactured products.

3. Cost of Components. This means the costs for production of the components, exclusive of final assembly labor costs.

(b) The successful bidder will be required to assure that only domestic steel and manufactured products will be used by the Contractor, subcontractors, materialmen, and suppliers in the performance of this contract, except those-

- (1) that the U.S. Department of Transportation has determined, under the Aviation Safety and Capacity Expansion Act of 1990, are not produced in the United States in sufficient and reasonably available quantities of a satisfactory quality;

- (2) that the U.S. Department of Transportation has determined, under the Aviation Safety and Capacity Expansion Act of 1990, that domestic preference would be inconsistent with the public interest; or

- (3) that inclusion of domestic material will increase the cost of the overall project contract by more than 25 percent.

(End of Clause)

RETURN WITH BID

D. BUY AMERICAN CERTIFICATE (JAN 1991)

By submitting a bid/proposal under this solicitation, except for those items listed by the offeror below or on a separate and clearly identified attachment to this bid/proposal, the offeror certifies that steel and each manufactured product, is produced in the United States (as defined in the clause Buy American - Steel and Manufactured Products or Buy American - Steel and Manufactured Products For Construction Contracts) and that components of unknown origin are considered to have been produced or manufactured outside the United States.

Offerors may obtain from (IDOT, Division of Aeronautics) lists of articles, materials, and supplies excepted from this provision.

PRODUCT

COUNTRY OF ORIGIN

E. NPDES CERTIFICATION

In accordance with the provisions of the Illinois Environmental Protection Act, the Illinois Pollution Control Board Rules and Regulations (35 Ill. Adm. Code, Subtitle C, Chapter I), and the Clean Water Act, and the regulations thereunder, this certification is required for all construction contracts that will result in the disturbance of one or more acres total land area.

The undersigned bidder certifies under penalty of law that he/she understands the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit (ILR100000) that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

The Airport Owner or its Agent will:

- 1) prepare, sign and submit the Notice of Intent (NOI)
- 2) conduct site inspections and complete and file the inspection reports
- 3) submit Incidence of Non-Compliance (ION) forms
- 4) submit Notice of Termination (NOT) form

Prior to the issuance of the Notice-to-Proceed, for each erosion control measure identified in the Storm Water Pollution Prevention Plan, the contractor or subcontractor responsible for the control measure(s) must sign the above certification (forms to be provided by the Department).

F. NON-APPROPRIATION CLAUSE

By submitting a bid/proposal under this solicitation the offeror certifies that he/she understands that obligations of the State will cease immediately without penalty or further payment being required in any fiscal year the Illinois General Assembly fails to appropriate or otherwise make available sufficient funds for this contract.

G. Contractor is not delinquent in the payment of any debt to the State (or if delinquent has entered into a deferred payment plan to pay the debt), and Contractor acknowledges the contracting state agency may declare the contract void if this certification is false (30 ILCS 500/50-11, effective July 1, 2002).

RETURN WITH BID

NOTICE TO BIDDERS

1. **TIME AND PLACE OF OPENING BIDS.** Sealed proposals for the improvement described herein will be received by the Department of Transportation at the Harry R. Hanley Building, 2300 South Dirksen Parkway in Springfield, Illinois until 10:00 o'clock a.m., May 16, 2008. All bids will be gathered, sorted, publicly opened and read in the auditorium at the Department of Transportation's Harry R. Hanley Building shortly after the 10:00 a.m. cut off time.
2. **DESCRIPTION OF WORK.** The proposed improvement, shown in detail on the plans issued by the Department includes, in general, the following described work:

Base Bid - Rehabilitate air carrier apron, phase 2; Rehabilitate Taxiway A7 and enhanced centerline markings. Additive Alternate 1 - Rehabilitate Taxiway A6.
3. **INSTRUCTIONS TO BIDDERS.** (a) This Notice, the invitation for bids, proposal and award shall, together with all other documents in accordance with Article 10-15 of the Illinois Standard Specifications for Construction of Airports, become part of the contract. Bidders are cautioned to read and examine carefully all documents, to make all required inspections, and to inquire or seek explanation of the same prior to submission of a bid.

(b) State law, and, if the work is to be paid wholly or in part with Federal-aid funds, Federal law requires the bidder to make various certifications as a part of the proposal and contract. By execution and submission of the proposal, the bidder makes the certification contained therein. A false or fraudulent certification shall, in addition to all other remedies provided by law, be a breach of contract and may result in termination of the contract.
4. **AWARD CRITERIA AND REJECTION OF BIDS.** This contract will be awarded to the lowest responsive and responsible bidder considering conformity with the terms and conditions established by the Department in the proposal and contract documents. The issuance of plans and proposal forms for bidding based upon a prequalification rating shall not be the sole determinant of responsibility. The Department reserves the right to determine responsibility at the time of award, to reject any or all proposals, to readvertise the proposed improvement, and to waive technicalities.
5. **PRE-BID CONFERENCE.** There will be a pre-bid conference held at N/A at the University of Illinois - Willard Airport administration building. For engineering information, contact Sean Smith of Crawford, Murphy & Tilly, Inc. at (217) 787-8050.
6. **DISADVANTAGED BUSINESS POLICY.** The DBE goal for this contract is 15.0%.
7. **SPECIFICATIONS AND DRAWINGS.** The work shall be done in accordance with the Illinois Standard Specifications for Construction of Airports, the Illinois Division of Aeronautics Supplemental Specifications and Recurring Special Provisions, the Special Provisions dated April 18, 2008 and the Construction Plans dated April 18, 2008 as approved by the Department of Transportation, Division of Aeronautics.

RETURN WITH BID

- 8. INSPECTION OF RECORDS.** The Contractor shall maintain an acceptable cost accounting system. The Sponsor, the FAA, and the Comptroller General of the United States shall have access to any books, documents, paper, and records of the Contractor which are directly pertinent to the specific contract for the purposes of making an audit, examination, excerpts, and transcriptions. The Contractor shall maintain all required records for three years after the Sponsor makes final payment and all other pending matters are closed.
- 9. RIGHTS TO INVENTIONS.** All rights to inventions and materials generated under this contract are subject to Illinois law and to regulations issued by the FAA and the Sponsor of the Federal grant under which this contract is executed. Information regarding these rights is available from the FAA and the Sponsor.
- 10. TERMINATION OF CONTRACT.**
1. The Sponsor may, by written notice, terminate this contract in whole or in part at any time, either for the Sponsor's convenience or because of failure to fulfill the contract obligations. Upon receipt of such notice services shall be immediately discontinued (unless the notice directs otherwise) and all materials as may have been accumulated in performing this contract, whether completed or in progress, delivered to the Sponsor.
 2. If the termination is for the convenience of the Sponsor, an equitable adjustment in the contract price shall be made, but no amount shall be allowed for anticipated profit on unperformed services.
 3. If the termination is due to failure to fulfill the Contractor's obligations, the Sponsor may take over the work and prosecute the same to completion by contract or otherwise. In such case, the Contractor shall be liable to the Sponsor for any additional cost occasioned to the Sponsor thereby.
 4. If, after notice of termination for failure to fulfill contract obligations, it is determined that the Contractor had not so failed, the termination shall be deemed to have been effected for the convenience of the Sponsor. In such event, adjustment in the contract price shall be made as provided in paragraph 2 of this clause.
 5. The rights and remedies of the sponsor provided in this clause are in addition to any other rights and remedies provided by law or under this contract.

RETURN WITH BID

11. BIDDING REQUIREMENTS AND BASIS OF AWARD. When alternates are included in the proposal, the following shall apply:

a. Additive Alternates

- (1) Bidders must submit a bid for the Base Bid and for all Additive Alternates.
- (2) Award of this contract will be made to the lowest responsible qualified bidder computed as follows:

The lowest aggregate amount of (i) the Base Bid plus (ii) any Additive Alternate(s) which the Department elects to award.

The Department may elect not to award any Additive Alternates. In that case, award will be to the lowest responsible qualified bidder of the Base Bid.

b. Optional Alternates

- (1) Bidders must submit a bid for the Base Bid and for either Alternate A or Alternate B or for both Alternate A and Alternate B.
- (2) Award of this contract will be made to the lowest responsible qualified bidder computed as follows:

The lower of the aggregate of either (i) the Base Bid plus Alternate A or (ii) the Base Bid plus Alternate B.

12. CONTRACT TIME. The Contractor shall complete all work within the specified contract time. Any calendar day extension beyond the specified contract time must be fully justified, requested by the Contractor in writing, and approved by the Engineer, or be subject to liquidated damages.

The contract time for this contract is Base Bid: 107 Additive Alternate: 22 calendar days.

13. INDEPENDENT WEIGHT CHECKS. The Department reserves the right to conduct random unannounced independent weight checks on any delivery for bituminous, aggregate or other pay item for which the method of measurement for payment is based on weight. The weight checks will be accomplished by selecting, at random, a loaded truck and obtaining a loaded and empty weight on an independent scale. In addition, the department may perform random weight checks by obtaining loaded and empty truck weights on portable scales operated by department personnel.

14. GOOD FAITH COMPLIANCE. The Illinois Department of Transportation has made a good faith effort to include all statements, requirements, and other language required by federal and state law and by various offices within federal and state governments whether that language is required by law or not. If anything of this nature has been left out or if additional language etc. is later required, the bidder/contractor shall cooperate fully with the Department to modify the contract or bid documents to correct the deficiency. If the change results in increased operational costs, the Department shall reimburse the contractor for such costs as it may find to be reasonable.

RETURN WITH BID

PROPOSAL SIGNATURE SHEET

The undersigned bidder hereby makes and submits this bid on the subject Proposal, thereby assuring the Department that all requirements of the Invitation for Bids and rules of the Department have been met, that there is no misunderstanding of the requirements of paragraph 4 of this Proposal, and that the contract will be executed in accordance with the rules of the Department if an award is made on this bid.

Firm Name _____

(IF AN INDIVIDUAL)

Signature of Owner _____

Business Address _____

Firm Name _____

By _____

(IF A CO-PARTNERSHIP)

Business Address _____

Name and Address of All Members of the Firm:

Corporate Name _____

Corporate Seal

By _____

President

(IF A CORPORATION)

Attest _____

Corporate Secretary

Business Address _____

Name of Corporate Officers:

President

Corporate Secretary

Treasurer

NOTARY CERTIFICATION

STATE OF ILLINOIS,

ALL SIGNATURES MUST BE NOTARIZED

COUNTY OF _____

I, _____, a Notary Public in and for said county, do hereby certify that _____

AND _____

(Insert names of individual(s) signing on behalf of bidder)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of the bidder, appeared before me this day in person and acknowledged that they signed, sealed, and delivered said instrument as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____, A.D. _____

My commission expires _____ (Seal)

Notary Public



Return with Bid

Division of Aeronautics
Proposal Bid Bond
(Effective January 1, 2002)

Item No. 13A
Letting Date: May 16, 2008

Airport: University of Illinois - Willard Airport
Ill. Proj. No. CMI-3663
Fed. Proj. No. 3-17-0016-

KNOW ALL MEN BY THESE PRESENTS. that we, _____, as PRINCIPAL, and _____, as SURETY are held and firmly bound unto the, hereinafter called the SPONSOR, in the penal sum of 5 percent of the total bid price or of the amount specified in Section 6, PROPOSAL GUARANTEE of the Proposal Document, whichever is the lesser sum, well and truly to be paid unto the said SPONSOR, for the payment of which we bind ourselves, our heirs, executors, administrators, successors, and assigns.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the PRINCIPAL has submitted a Bid Proposal to the SPONSOR through its AGENT, the State of Illinois, Department of Transportation, Division of Aeronautics, for the improvement designated by the Transportation Bulletin Item Number and Letting Date indicated above;

NOW, THEREFORE, if the SPONSOR through its AGENT shall accept the Bid Proposal of the PRINCIPAL; and if PRINCIPAL shall within the time and as specified in the Bidding and Contract Documents, submit the DBE Utilization Plan that is acceptable and approved by the AGENT, and if after the award, the PRINCIPAL shall enter into a contract in accordance with the terms of the Bidding and Contract Documents including evidence of insurance coverage's and providing such bond as specified with good and sufficient surety for the faithful performance of such contract and for prompt payment of labor and material furnished in the prosecution thereof; or if, in the event of the failure of the PRINCIPAL to make the required DBE submission or to enter into such contract and to give the specified bond, the PRINCIPAL pays to the SPONSOR the difference not to exceed the penalty hereof between the amount in the Bid Proposal and such larger amount for which the SPONSOR may contract with another party to perform the work covered by said Proposal Document, then, this obligation to be void; otherwise to remain in full force and effect.

IN THE EVENT the SPONSOR acting through its AGENT determines the PRINCIPAL has failed to comply with any requirement as set forth in the preceding paragraph, then the SURETY shall pay the penal sum to the SPONSOR within fifteen (15) days of written demand therefor. If the SURETY does not make full payment within such period of time, the AGENT may bring an action to collect the amount owed. The SURETY is liable to the SPONSOR and to the AGENT for all its expenses, including attorney's fees, incurred in any litigation in which SPONSOR or AGENT prevail either in whole or in part.

IN WITNESS WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by

their respective officers this _____ day of _____ A.D., 20 ____.

PRINCIPAL SURETY
(Company Name) (Company Name)
By: (Signature & Title) By: (Signature of Attorney-in-Fact)

Notary Certification for Principal and Surety

State of Illinois)
) ss:
County of _____)

I, _____, a Notary Public in and for said County, do hereby certify that _____ and _____ (Insert names of individuals signing on behalf of PRINCIPAL & SURETY)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPAL and SURETY, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instrument as their free and voluntary act for uses and purposes therein set forth.

Given under my hand and notary seal this _____ day of _____ A.D., 20 ____

My commission expires _____ (Notary Public)

In lieu of completing the above section of the Proposal Bid Form, the PRINCIPAL may file an Electronic Bid Bond. By signing below, the PRINCIPAL is ensuring the identified electronic bid bond has been executed and the PRINCIPAL and SURETY are firmly bound to the SPONSOR through its AGENT under the conditions of the Bid Bond as shown above.

Electronic Bid Bond ID# Company/Bidder Name Signature and Title Form D.E. (Rev. 12-2001)



PROPOSALS

for construction work advertised for bids by the
Illinois Department of Transportation

Item No.	Item No.	Item No.

Submitted By:

Name:
Address:
Phone No.

Bidders should affix this form to the front of a 10" x 13" envelope and use that envelope for the submittal of bids. If proposals are mailed, they should be enclosed in a second or outer envelope addressed to:

Engineer of Design and Environment - Room 323
Illinois Department of Transportation
2300 South Dirksen Parkway
Springfield, Illinois 62764

CONTRACTOR OFFICE COPY OF CONTRACT SPECIFICATIONS

NOTICE

None of the following material needs to be returned with the bid package unless the special provisions require documentation and/or other information to be submitted.



Illinois Department of Transportation

CONTRACT REQUIREMENTS

(1) Airport Improvement Program projects. The work in this contract is included in the federal Airport Improvement Program and is being undertaken and accomplished by the Illinois Department of Transportation, Division of Aeronautics and the Municipality, hereinafter called the Co-Sponsors, in accordance with the terms and conditions of a Grant Agreement between the Co-Sponsors and the United States, under the Airport and Airway Improvement Act of 1982 (Public Law 97-248; Title V, Section 501 et seq., September 3, 1982; 96 Stat. 671; codified at 49 U.S.C Section 2201 et seq.) and Part 152 of the Federal Aviation Regulations (14 CFR Part 152), pursuant to which the United States has agreed to pay a certain percentage of the costs of the Project that are determined to be allowable Project costs under the Act. The United States is not a party to this contract and no reference in this contract to FAA or representative thereof, or to any rights granted to the FAA or any representative thereof, or the United States, by the contract, makes the United States a party to this contract.

(2) Consent of Assignment. The Contractor shall obtain the prior written consent of the Co-Sponsors to any proposed assignment of any interest in or part of this contract.

(3) Convict Labor. No convict labor may be employed under this contract.

(4) Veterans Preference. In the employment of labor, except in executive, administrative, and supervisory positions, preference shall be given to veterans of the Vietnam era and disabled veterans as defined in Section 515(c) of the Airport and Airway Improvement Act of 1982. However, this preference shall apply only where the individuals are available and qualified to perform the work to which the employment relates.

(5) Withholding: Sponsor from Contractor. Whether or not payments or advances to the Co-Sponsors are withheld or suspended by the FAA, the Co-Sponsors may withhold or cause to be withheld from the Contractor so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics employed by the Contractor or any subcontractor on the work the full amount of wages required by this contract.

(6) Nonpayment of Wages. If the Contractor or subcontractor fails to pay any laborer or mechanic employed or working on the site of the work any of the wages required by this contract the Co-Sponsors may, after written notice to the Contractor, take such action as may be necessary to cause the suspension of any further payment or advance of funds until the violations cease.

(7) FAA Inspection and Review. The Contractor shall allow any authorized representative of the FAA to inspect and review any work or materials used in the performance of this contract.

(8) Subcontracts. The Contractor shall insert in each of his subcontracts the provisions contained in Paragraphs (1), (3), (4), (5), (6), and (7) above and also a clause requiring the subcontractors to include these provisions in any lower tier subcontracts which they may enter into, together with a clause requiring this insertion in any further subcontracts that may in turn be made.

(9) Contract Termination. A breach of Paragraph (6), (7), and (8) above may be grounds for termination of the contract.

PROVISIONS REQUIRED BY THE REGULATIONS OF THE SECRETARY OF LABOR 29 CFR 5.5

(a) Contract Provisions and Related Matters.

(1) Minimum Wages.

Revised 1/92

(i) All laborers and mechanics employed or working upon the site of the work will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR Part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the Contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provision of paragraph (a)(1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in paragraph 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph (a)(1)(ii) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the Contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

(ii)(A) The contracting officer shall require that any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefor only when the following criteria have been met:

- (1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and
- (2) The classification is utilized in the area by the construction industry; and
- (3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(ii)(B) If the Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, D.C. 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB control number 1215-0140).

(ii)(C) In the event the Contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB control number 1215-0140).

(ii)(D) The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (1)(B) or (C) of this paragraph, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the Contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the Contractor does not make payments to a trustee or other third person, the Contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, provided, that the Secretary of Labor has found, upon the written request of the Contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Contractor to set aside in a separate account assets for the meeting of obligations under the plan or program. (Approved by the Office of Management and Budget under OMB control number 1215-0140).

(2) Withholding. The Federal Aviation Administration shall upon its own action or written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the Contractor under this contract or any other Federal contract with the same prime Contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime Contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the Contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the (Agency) may, after written notice to the Contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

(3) Payrolls and basic records.

(i) Payrolls and basic records relating thereto shall be maintained by the Contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such work, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the Contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs. (Approved by the Office Management and Budget under OMB control numbers 1215-0140 and 1215-0017).

(ii)(A) The Contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the Federal Aviation Administration if the agency is a party to the contract, but if the agency is not such a party, the Contractor will submit the payrolls to the applicant, sponsor, or owner, as the case may be, for transmission to the Federal Aviation Administration. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under paragraph 5.5(a)(3)(i) of Regulations, 29 CFR Part 5. This information may be submitted in any form desired.

Optional Form WH-347 is available for this purpose and may be purchased from the Superintendent of Documents (Federal Stock Number 029-005-00014-1), U.S. Government Printing Office, Washington, D.C. 20402. The prime Contractor is responsible for the submission of copies of payrolls by all subcontractors. (Approved by the Office of Management and Budget under OMB control number 1215-0149).

(ii)(B) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the Contractor, or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) That the payroll for the payroll period contains the information required to be maintained under paragraph 5.5(a)(3)(i) of Regulations, 29 CFR Part 5 and that such information is correct and complete;

(2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR Part 3;

(3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed as specified in the applicable wage determination incorporated into the contract.

(ii)(C) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (a)(3)(ii)(B) of this section.

(ii)(D) The falsification of any of the above certifications may subject the Contractor or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 231 of Title 31 of the United States Code.

(iii) The Contractor or subcontractor shall make the records required under paragraph (a)(3)(i) of this section available for inspection, copying, or transcription by authorized representatives of the (write the name of the agency) or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the Contractor or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the Contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

(4) Apprentices and Trainees

(i) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State Apprenticeship Agency recognized by the Bureau, or if a person is employed in his or her first 90 days of probationary employment as a apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the Contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a Contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the Contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Bureau of Apprenticeship and Training, or a State Apprenticeship Agency recognized by the Bureau, withdraws approval of an apprenticeship program, the Contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ration permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contract will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

(5) Compliance with Copeland Act requirements. The Contractor shall comply with the requirements of 29 CFR Part 3, which are incorporated by reference in this contract.

(6) Subcontracts. The Contractor or subcontractor shall insert in any subcontracts the clauses contained in paragraph (a)(1) through (10) of this contract and such other clauses as the Federal Aviation Administration may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime Contractor shall be responsible for the compliance by an subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

(7) Contract determination: debarment. A breach of these contract clauses paragraphs (a)(1) through (10) and the 2nd clause (b)(1) through (5) below may be grounds for termination of the contract and for debarment as a Contractor and a subcontractor as provided in 29 CFR 5.12.

(8) Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by referenced in this contract.

(9) Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR Parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the Contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

(10) Certification of Eligibility.

(i) By entering into this contract, the Contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the Contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

(b) Contract Work Hours and Safety Standards Act. The Agency Head shall cause or require the contracting officer to insert the following clauses set forth in paragraphs (b)(1), (2), (3), (4) and (5) of this section in full in AIP construction contracts in excess of \$2,000. These clauses shall be inserted in addition to the clauses required by paragraph 5.5(a) or paragraph 4.6 of Part 4 of this title. As used in this paragraph, the terms "laborers" and "mechanics" include watchmen and guards.

(1) Overtime requirements: No Contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers, mechanics, watchmen or guards (including apprentices and trainees described in paragraphs 5 and 6 above) shall require or permit any laborer, mechanic, watchman or guard in any workweek in which he/she is employed on such work, to work in excess of 40 hours in such workweek unless such laborer, mechanic, watchman or guard receives compensation at a rate not less than one and one-half times his/her basic rate of pay for all hours worked in excess of 40 hours in such workweek.

(2) Violations: Liability for Unpaid Wages; Liquidated Damages: In the event of any violation of the clause set forth in subparagraph (1) of this paragraph, the Contractor and any subcontractor responsible therefore shall be liable to any affected employee for his/her unpaid wages. In addition, such Contractor and subcontractor shall be liable to the United States (in case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer, mechanic, watchman or guard employed in violation of the clause set forth in subparagraph (1) of this paragraph, in the sum of \$10.00 for each calendar day on which such employee was required or permitted to work in excess of the standard workweek of 40 hours without payment of the overtime wages required by the clause set forth in subparagraph (1) of this paragraph.

(3) Withholding for unpaid wages and liquidated damages. The (write in the name of the Federal agency or the loan or grant recipient) shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the Contractor or subcontractor under any such contract or any other Federal contract with the same prime Contractor, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime Contractor, such sums as may be determined to be necessary to satisfy any liabilities of such Contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in subparagraph (2) of this paragraph.

(4) Subcontracts. The Contractor or subcontractor shall insert in any subcontracts the clauses set forth in subparagraph (1) through (4) of this paragraph and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime Contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in subparagraphs (1) through (4) of this paragraph.

(5) Working Conditions. No Contractor or subcontractor may require any laborer or mechanic employed in the performance of any contract to work in surroundings or under working conditions that are unsanitary, hazardous, or dangerous to his health or safety as determined under construction safety and health standards (29 CFR 1926) issued by Department of Labor.

(c) In addition to the clauses contained in paragraph (b), in any contract subject only to the Contract Work Hours and Safety Standards Act and not to any of the other statutes cited in paragraph 5.1, the Agency Head shall cause or require the contracting officer to insert a clause requiring that the Contractor or subcontractor shall maintain payrolls and basic payroll records during the course of the work and shall preserve them for a period of three years from the completion of the contract for all laborers and mechanics, including guards and watchmen, working on the contract. Such records shall contain the name and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid. Further, the Agency Head shall cause or require the contracting officer to insert in any such contract a clause providing that the records to be maintained under this paragraph shall be made available by the Contractor or subcontractor for inspection, copying, or transcription by authorized representatives of the (write the name of agency) and the Department of Labor, and the Contractor or subcontractor will permit such representatives to interview employees during working hours on the job. (Approved by the Office of Management and Budget under OMB control numbers 1215-0140 and 1215-0017).

FEDERAL REGULATIONS VOL. 40, #74,
WEDNESDAY, APRIL 16, 1975, PAGE 17124,
ADMINISTRATION OF THE CLEAR AIR ACT
& WATER POLLUTION CONTROL ACT
(with respect to Federal Grants)

In connection with the administration of the Clean Air Act and the Water Pollution Control Act with respect to Federal Grants, specific requirements have been imposed of any contract which is not exempt under the provisions of 40 CFR 15.5.

(1) Any facility listed on the EPA List of Violating Facilities pursuant to Paragraph 15.20 of 40 CFR as of the date of the contract award will not be utilized in the performance of any non-exempt contract or subcontract.

(2) The Contractor shall comply with all the requirements of Section 114 of the Clean Air Act, as amended, 42 USC 1857 et seq. and Section 308 of the Federal Water Pollution Control Act, as amended, 33 USC 1251 et seq. relating to inspection, monitoring, entry, reports and information, as well as all other requirements specified in Section 114 and Section 308 of the Air Act and Water Act, respectively, and all regulations and guidelines issued thereunder after the award of the contract.

(3) Prompt notification shall be required prior to contract award to the awarding official by the Contractor who will receive the award of the receipt of any communication from the Director, Office of Federal Activities, U.S. Environmental Protection Agency, indicating that a facility to be utilized for the contract is under consideration to be listed on the EPA List of Violating Facilities.

(4) The Contractor shall include or cause to be included the criteria and requirements in paragraphs 1 through 4 in any non-exempt subcontract and will take such action as the Government may direct as a means of enforcing such provisions.

Attachment No. 1

During the performance of the contract, the Contractor agrees as follows:

- (1) The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- (2) The Contractor will, in all solicitations or advertisements for employees placed by or on the behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin.
- (3) The Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or worker's representatives of the Contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (4) The Contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (5) The Contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- (6) In the event of the Contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the Contractor may be declared ineligible for further government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of 24 September 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of 24 September 1965, or by rule, regulation or order of the Secretary of Labor, or as otherwise provided by law.
- (7) The Contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of 24 September 1965, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as means of enforcing such provisions, including sanctions for noncompliance; provided, however, that in the event a Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

ATTACHMENT NO. 2

EACH PRIME CONTRACTOR SHALL INSERT IN EACH SUBCONTRACT THE CERTIFICATION IN APPENDIX B, AND FURTHER, SHALL REQUIRE ITS INCLUSION IN ANY LOWER TIER SUBCONTRACT, PURCHASE ORDER, OR TRANSACTION THAT MAY IN TURN BE MADE.

- Appendix B of 49 CFR Part 29 -

This certification applies to subcontractors, material suppliers, vendors and other lower tier participants.

Appendix B--Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Covered Transactions

Instructions for Certification

1. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.

2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

3. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

4. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.

5. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

6. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List.

8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Covered Transactions

(1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

(2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

STATE REQUIRED CONTRACT PROVISIONS
ALL FEDERAL-AID CONSTRUCTION CONTRACTS

Effective February 1, 1969
Revised January 2, 1973

The following provisions are State of Illinois requirements and are in addition to the Federal requirements.

"EQUAL EMPLOYMENT OPPORTUNITY"

In the event of the Contractor's noncompliance with any provisions of this Equal Employment Opportunity Clause, the Illinois Fair Employment Practices Act or the Fair Employment Practices Commission's Rules and Regulations for Public Contracts, the Contractor may be declared nonresponsible and therefore ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and the contract may be canceled or avoided in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation.

During the performance of this contract, the Contractor agrees as follows:

- (1) That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin or ancestry; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.
- (2) That, if it hires additional employees in order to perform this contract or any portion hereof, it will determine the availability (in accordance with the Commission's Rules and Regulations for Public Contracts) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.
- (3) That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, national origin or ancestry.
- (4) That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Contractor's obligations under the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts. If any such labor organization or representative fails or refuses to cooperate with the Contractor in its efforts to comply with such Act and Rules and Regulations, the Contractor will promptly so notify the Illinois Fair Employment Practices Commission and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations thereunder.
- (5) That it will submit reports as required by the Illinois Fair Employment Practices Commission's Rules and Regulations for Public Contracts, furnish all relevant information as may from time to time be requested by the Commission or the contracting agency, and in all respects comply with the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts.
- (6) That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Illinois Fair Employment Practices Commission for purposes of investigation to ascertain compliance with the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts.
- (7) That it will include verbatim or by reference the provisions of paragraphs 1 through 7 of this clause in every performance subcontract as defined in Section 2.10(b) of the Commission's Rules and Regulations for Public Contracts so that such provisions will be binding upon every subcontractor; and that it will also so include the provisions or paragraphs 1, 5, 6 and 7 in every supply subcontract as defined in Section 2.10(a) of the Commission's Rules and Regulations for Public Contracts so that such provisions will be binding upon every such subcontractor. In the same manner as with other provisions of this contract, the Contractor will be liable for compliance with applicable provisions of this clause by all its subcontractors; and further it will promptly notify the contracting agency and the Illinois Fair Employment Practices Commission in the event any subcontractor fails or refuses to comply therewith. In addition, no Contractor will utilize any subcontractor declared by the Commission to be nonresponsible and therefore ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

CONSTRUCTION CONTRACT PROCUREMENT POLICIES

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SECTION 1

PROPOSAL REQUIREMENTS AND CONDITIONS

1-01 ADVERTISEMENT (Notice to Bidders). The State of Illinois shall publish the advertisement at such places and at such times as are required by local law or ordinances. The published advertisement shall state the time and place for submitting sealed proposals; a description of the proposed work; instructions to bidders as to obtaining proposal forms, plans, and specifications; proposal guaranty required; and the Owner's right to reject any and all bids.

For Federally assisted contracts the advertisement shall conform to the requirements of local laws and ordinances pertaining to letting of contracts and, in addition, shall conform to the requirements of the appropriate parts of the Federal Aviation Regulations applicable to the particular contract being advertised.

1-02 PREQUALIFICATION OF BIDDERS.

- (a) When the awarding authority is the State of Illinois, each prospective bidder, prior to being considered for issuance of any proposal forms will be required to file, on forms furnished by the Department, an experience questionnaire and a confidential financial statement in accordance with the Department's Instructions for Prequalification of Contractors. The Statement shall include a complete report of the prospective bidder's financial resources and liabilities, equipment, past record and personnel, and must be submitted at least thirty (30) days prior to the scheduled opening of bids in which the Contractor is interested.

After the Department has analyzed the submitted "Contractor's Statement of Experience and Financial Condition" and related information and has determined appropriate ratings, the Department will issue to the Contractor a "Certificate of Eligibility". The Certificate will permit the Contractor to obtain proposal forms and plans for any Department of Transportation letting on work which is within the limits of the Contractor's potential as indicated on his "Certificate of Eligibility", subject to any limitations due to present work under contract or pending award as determined from the Contractor's submitted "Affidavit of Availability". Bidders intending to consistently submit proposals shall submit a "Contractor's Statement of Experience and Financial Condition" at least once a year. However, prequalification may be changed during that period upon the submission of additional favorable reports or upon reports of unsatisfactory performance.

Before a proposal is issued, the prospective bidder will be required to furnish an "Affidavit of Availability" indicating the location and amount of all uncompleted work under contract, or pending award, either as principal or subcontractor, as well as a listing of all subcontractors and value of work sublet to others. The prospective bidder may be requested to file a statement showing the amount and condition of equipment which will be available.

Before an award is made, the bidder may be required to furnish an outline of his plans for conducting the work.

- (b) When the awarding authority for contract construction work is the County Board of a county; the Council, the City Council, or the President and Board of Trustees of a city, village or town, each prospective bidder, in evidence of his competence, shall furnish the awarding authority as a prerequisite to the release of proposal forms by the awarding authority, a certified or photostatic copy of a "Certificate of Eligibility" issued by the Department of Transportation, in accordance with Section 1-02(a).

The two low bidders must file within 24 hours after the letting a sworn affidavit, in triplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work, using the blank form made available for this affidavit. One copy shall be filed with the awarding authority and two copies with the District Highway Office.

1-03 CONTENTS OF PROPOSAL FORMS. Upon request, the Department will furnish the prequalified bidders a proposal form. This form will state the location and description of the contemplated construction and will show the estimate of the various quantities and kinds of work to be performed or materials to be furnished, and will have a schedule of items for which unit bid prices are invited. The proposal form will state the time in which work must be completed, the amount of the proposal guaranty, labor requirements, and date, time and place of the opening of proposals. The form will also include any special provisions or requirements which vary from or are not contained in these specifications.

All papers bound with or attached to the proposal form are considered a part thereof and must not be detached or altered when the proposal is submitted. Any addenda officially issued by the Department, will be considered a part of the proposal whether attached or not.

For Federally assisted contracts, the proposal shall conform to the requirements of local laws and ordinances pertaining to letting of contracts and, in addition, shall conform to the requirements of the appropriate parts of the Federal Aviation Regulations pertaining to the particular contract being let.

1-04 ISSUANCE OF PROPOSAL FORMS. The Department shall refuse to issue a proposal form for any of the following reasons:

- (a) Lack of competency and adequate machinery, plant and other equipment, as revealed by the financial statement and experience questionnaires required under Section 1-02(a).
- (b) Uncompleted work which, in the judgment of the Department, might hinder or prevent the prompt completion of additional work if awarded.
- (c) False information provided on a bidder's "Affidavit of Availability".
- (d) Failure to pay, or satisfactorily settle, all bills due for labor and material on former contracts in force at the time of issuance of proposal forms.
- (e) Failure to comply with any prequalification regulations of the Department.
- (f) Default under previous contracts.
- (g) Unsatisfactory performance record as shown by past work for the Department, judged from the standpoint of workmanship and progress.
- (h) When the Contractor is suspended from eligibility to bid at a public letting where the contract is awarded by, or require approval of, the Department.
- (i) When any agent, servant, or employee of the prospective bidder currently serves as a member, employee, or agent of a governmental body that is financially involved in the proposed work.
- (j) When any agent, servant, or employee of the prospective bidder has participated in the preparation of plans or specifications for the proposed work.

1-05 INTERPRETATION OF QUANTITIES IN BID SCHEDULE. An estimate of quantities of work to be done and materials to be furnished under these specifications is given in the proposal. It is the result of careful calculations and is believed to be correct. It is given only as a basis for comparison of proposals and the award of the contract. The Owner does not expressly or by implication agree that the actual quantities involved will correspond exactly therewith; nor shall the bidder plead misunderstanding or deception because of such estimates of quantities, or of the character, location, or other conditions pertaining to the work. Payment to the Contractor will be made only for the actual quantities of work performed or materials furnished in accordance with the plans and specifications. It is understood that the quantities may be increased or decreased as provided in the subsection titled ALTERATION OF WORK AND QUANTITIES of Section 20 of the Illinois Standard Specifications for Construction of Airports without in any way invalidating the unit bid prices.

1-06 EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE. The bidder is expected to carefully examine the site of the proposed work, the proposal, plans, specifications, and contract forms. He shall satisfy himself as to the character, quality, and quantities of work to be performed, materials to be furnished, and as to the requirements of the proposed contract. The submission of a proposal shall be prima facie evidence that the bidder has made such examination and is satisfied as to the conditions to be encountered in performing the work and as to the requirements of the proposed contract, plans, and specifications.

Boring logs, underground utilities and other records of subsurface investigations and tests are available for inspection of bidders. It is understood and agreed that such subsurface information, whether included in the plans, specifications, or otherwise made available to the bidder, was obtained and is intended for the Owner's design and estimating purposes only. Such information has been made available for the convenience of all bidders. It is further understood and agreed that each bidder is solely responsible for all assumptions, deductions, or conclusions which he may make or obtain from his examination of the boring logs and other records of subsurface investigations and tests that are furnished by the Owner.

1-07 PREPARATION OF THE PROPOSAL. The bidder shall submit his proposal on the form furnished by the Department. The proposal shall be executed property, and bids shall be made for all items indicated in the proposal form, except that when alternate bids are asked, a bid on more than one alternate for each item is not required, unless otherwise provided. The bidder shall indicate, in figures, a unit price for each of the separate items called for in the proposal; he shall show the products of the respective quantities and unit prices in the column provided for that purpose, and the gross sum shown in the place indicated in the proposal shall be the summation of said products. All writing shall be with ink or typewriter, except the signature of the bidder which shall be written with ink.

If the proposal is made by an individual, his name and business address shall be shown. If made by a firm or partnership, the name and business address of each member of the firm or partnership shall be shown. If made by a corporation, the proposal shall show the names, titles, and business address of the president, secretary, and treasurer, and the seal of the corporation shall be affixed and attested by the secretary.

The proposal shall be issued to a prequalified bidder in the same name and style as the financial statement used for prequalification and shall be submitted in like manner.

1-08 REJECTION OF PROPOSALS. The Department reserves the right to reject proposals for any of the conditions in Article 1-04 or for any of the following reasons:

- (a) More than one proposal for the same work from an individual, firm, partnership, or corporation under the same or different names.
- (b) Evidence of collusion among bidders.
- (c) Unbalanced proposals in which the prices for some items are obviously out of proportion to the prices for other items.
- (d) If the proposal does not contain a unit price for each pay item listed except in the case of authorized alternate pay items or lump sum pay items.
- (e) If the proposal is other than that furnished by the Department; or if the form is altered or any part thereof is detached.
- (f) If there are omissions, erasures, alterations, unauthorized additions, conditional or alternate bids, or irregularities of any kind which may tend to make the proposal incomplete, indefinite, or ambiguous as to its meaning.
- (g) If the bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
- (h) If the proposal is not accompanied by the proper proposal guaranty.
- (i) If the proposal is prepared with other than ink or typewriter.
- (j) If the proposal is submitted in any other name other than that to whom it was issued by the Department.

1-09 PROPOSAL GUARANTY. Each Proposal shall be accompanied by either a bid bond on the Department of Transportation, Division of Aeronautics form contained in the proposal, executed by a corporate surety company satisfactory to the Department or by a bank cashier's check or a properly certified check for not less than 5 percent of the amount bid.

Bank cashier's checks, or properly certified checks accompanying proposals shall be made payable to the Treasurer, State of Illinois.

1-10 DELIVERY OF PROPOSALS. Each proposal should be submitted in a special envelope furnished by the Department. The blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Department is used, it shall be of the same general size and shape and be similarly marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Department at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and place specified in the Notice to Bidders. Proposals received after the time for opening of bids will be returned to the bidder unopened.

1-11 WITHDRAWAL OF PROPOSALS. Permission will be given a bidder to withdraw a proposal if he makes his request in writing or by telegram before the time for opening proposals. If a proposal is withdrawn, the bidder will not be permitted to resubmit this proposal at the same letting. With the approval of the Engineer, a bidder may withdraw a proposal and substitute a new proposal prior to the time of opening bids.

1-12 PUBLIC OPENING OF PROPOSALS. Proposals will be opened and read publicly at the time and place specified in the Notice to Bidders. Bidders, their authorized agents, and other interested parties are invited to be present.

1-13 DISQUALIFICATION OF BIDDERS. A bidder shall be considered disqualified for any of the following reasons:

- (a) Submitting more than one proposal from the same partnership, firm, or corporation under the same or different name.
- (b) Evidence of collusion among bidders. Bidders participating in such collusion shall be disqualified as bidders for any future work of the Owner.
- (c) If the bidder is considered to be in "default" for any reason specified in the Subsection 1-04 titled ISSUANCE OF PROPOSAL FORMS of this section.

1-14 WORKER'S COMPENSATION INSURANCE. Prior to the approval of his contract by the Division, the Contractor shall furnish to the Division certificates of insurance covering Worker's Compensation, or satisfactory evidence that this liability is otherwise taken care of in accordance with Section 4.(a) of the "Worker's Compensation Act of the State of Illinois" as amended.

SECTION 2

AWARD AND EXECUTION OF CONTRACT

2-01 CONSIDERATION OF PROPOSALS. After the proposals are publicly opened and read, they will be compared on the basis of the summation of the products obtained by multiplying the estimated quantities shown in the proposal by the unit bid prices. In the event of a discrepancy between unit bid prices and extensions, the unit bid price shall govern.

Until the award of a contract is made, the Owner reserves the right to reject a bidder's proposal for any of the following reasons:

- (a) If the proposal is irregular as specified in the subsection titled REJECTION OF PROPOSALS of Section 1.
- (b) If the bidder is disqualified for any of the reasons specified in the subsection titled DISQUALIFICATION OF BIDDERS of Section 1.

In addition, until the award of a contract is made, the Owner reserves the right to reject any or all proposals; waive technicalities, if such waiver is in the best interest of the Owner and is in conformance with applicable State and Local laws or regulations pertaining to the letting of construction contracts; advertise for new proposals; or proceed with the work otherwise.

2-02 AWARD OF CONTRACT. The award of contract will be made within 60 calendar days after the opening of proposals to the lowest responsible and qualified bidder whose proposal complies with all the requirements prescribed. The successful bidder will be notified by letter, that his bid has been accepted, and that he has been awarded the contract.

If a contract is not awarded within 60 days after the opening of proposals, a bidder may file a written request with the Division for the withdrawal of his bid and the Division will permit such withdrawal.

For Federally assisted contracts, unless otherwise specified in this subsection, no award shall be made until the FAA has concurred in the Owner's recommendation to make such award and has approved the Owner's proposal contract to the extent that such concurrence and approval are required by Federal Regulations.

2-03 CANCELLATION OF AWARD. The Division reserves the right to cancel the award without liability to the bidder at any time before a contract has been fully executed by all parties and is approved by the Owner in accordance with the subsection titled APPROVAL OF CONTRACT of this section. The Division at the time of cancellation will return the proposal guaranty.

2-04 RETURN OF PROPOSAL GUARANTY. The proposal guaranties of all except the two lowest bidders will be returned promptly after the proposals have been checked, tabulated, and the relation of the proposals established. Proposal guaranties of the two lowest bidders will be returned as soon as the Construction Contract, Performance Bonds, and Payment Bonds of the successful bidder have been properly executed and approved.

If any other form of proposal guaranty is used, other than a bid bond, a bid bond may be substituted at the Contractor's option.

2-05 REQUIREMENT OF PERFORMANCE AND PAYMENT BONDS. The successful bidder for a contract, at the time of the execution of the contract, shall deposit with the Division separate performance and payment bonds each for the full amount of the contract. The form of the bonds shall be that furnished by the Division, and the sureties shall be acceptable to the Division.

2-06 EXECUTION OF CONTRACT. The successful bidder shall sign (execute) the Contract and shall return the signed Contract to the Owner (Sponsor) for signature (execution) and subsequently return all copies to the Division. The fully executed surety bonds specified in the subsection title REQUIREMENTS OF PERFORMANCE AND PAYMENT BONDS of this section will be forwarded to the Division within 15 days of the date mailed or otherwise delivered to the successful bidder. If the Contract and Bonds are mailed, special handling is recommended.

If the bidder to whom award is to be made is a corporation organized under the laws of a State other than Illinois, the bidder shall furnish the Division a copy of the corporation's certificate of authority to do business in the State of Illinois with the return of the executed contract and bond. Failure to furnish such evidence of a certificate of authority within the time required will be considered as just cause for the annulment of the award and the forfeiture of the proposal guaranty to the State, not as a penalty, but in payment of liquidated damages sustained as a result of such failure.

2-07 APPROVAL OF CONTRACT. Upon receipt of the contract and bonds that have been executed by the successful bidder, the Owner shall complete the execution of the contract in accordance with local laws or ordinances, and return the contract to the Division for approval and execution by the Division. Delivery of the fully executed contract to the Contractor shall constitute the Department's approval to be bound by the successful bidder's proposal and the terms of the contract.

2-08 FAILURE TO EXECUTE CONTRACT. If the contract is not executed by the Division within 15 days following receipt from the bidder of the properly executed contracts and bonds, the bidder shall have the right to withdraw his bid without penalty.

Failure of the successful bidder to execute the contract and file acceptable bonds within 15 days after the contract has been mailed to him shall be just cause for the cancellation of the award and the forfeiture of the proposal guaranty which shall become the property of the State, not as a penalty, but as liquidation of damages sustained.

ILLINOIS DEPARTMENT OF TRANSPORTATION

DIVISION OF AERONAUTICS

The requirements of the following provisions written for Federally-assisted construction contracts, including all goals and timetables and affirmative action steps, shall also apply to all State-funded construction contracts awarded by the Illinois Department of Transportation.

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246)

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.

2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

APPENDIX A

The following goal for female utilization in each construction craft and trade shall apply to all Contractors holding Federal and federally assisted construction contracts and subcontracts in excess of \$10,000. The goal is applicable to the Contractor's total on-site construction workforce, regardless of whether or not part of that workforce is performing work on a Federal, federally assisted or nonfederally related construction contract or subcontract.

AREA COVERED (STATEWIDE)

Goals for Women apply nationwide.

GOAL

	Goal (percent)
Female Utilization.....	... 6.9

APPENDIX B

Until further notice, the following goals for minority utilization in each construction craft and trade shall apply to all Contractors holding Federal and federally-assisted construction contracts and subcontracts in excess of \$10,000. to be performed in the respective geographical areas. The goals are applicable to the Contractor's total on-site construction workforce, regardless of whether or not part of that workforce is performing work on a Federal, federally-assisted or nonfederally related construction contract or subcontract.

<u>Economic Area</u>	<u>Goal (percent)</u>
056 Paducah, KY:	
Non-SMSA Counties -	5.2
IL - Hardin, Massac, Pope	
KY - Ballard, Caldwell, Calloway, Carlisle, Crittenden,	
Fulton, Graves, Hickman, Livingston, Lyon, McCracken, Marshall	

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<u>Economic Area</u>	<u>Goal (percent)</u>
080 Evansville, IN:	
Non-SMSA Counties -	3.5
IL - Edwards, Gallatin, Hamilton, Lawrence, Saline, Wabash, White	
IN - Dubois, Knox, Perry, Pike, Spencer	
KY - Hancock, Hopkins, McLean, Mublenberg, Ohio, Union, Webster	
081 Terre Haute, IN:	
Non-SMSA Counties -	2.5
IL - Clark, Crawford	
IN - Parke	
083 Chicago, IL:	
SMSA Counties:	19.6
1600 Chicago, IL -	
IL - Cook, DuPage, Kane, Lake, McHenry, Will	
3740 Kankakee, IL -	9.1
IL - Kankakee	
Non-SMSA Counties	18.4
IL - Bureau, DeKalb, Grundy, Iroquois, Kendall, LaSalle, Livingston, Putnam	
IN - Jasper, Laporte, Newton, Pulaski, Starke	
084 Champaign - Urbana, IL:	
SMSA Counties:	
1400 Champaign - Urbana - Rantoul, IL -	7.8
IL - Champaign	
Non-SMSA Counties -	4.8
IL - Coles, Cumberland, Douglas, Edgar, Ford, Piatt, Vermilion	
085 Springfield - Decatur, IL:	
SMSA Counties:	
2040 Decatur, IL -	7.6
IL - Macon	
7880 Springfield, IL -	4.5
IL - Mendard, Sangamon	
Non-SMSA Counties	4.0
IL - Cass, Christian, Dewitt, Logan, Morgan, Moultrie, Scott, Shelby	
086 Quincy, IL:	
Non-SMSA Counties	3.1
IL - Adams, Brown, Pike	
MO - Lewis, Marion, Pike, Ralls	
087 Peoria, IL:	
SMSA Counties:	
1040 Bloomington - Normal, IL -	2.5
IL - McLean	

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APPENDIX B (CONTINUED)

<u>Economic Area</u>	<u>Goal (percent)</u>
6120 Peoria, IL - IL - Peoria, Tazewell, Woodford	4.4
Non-SMSA Counties - IL - Fulton, Knox, McDonough, Marshall, Mason, Schuyler, Stark, Warren	3.3
088 Rockford, IL: SMSA Counties: 6880 Rockford, IL - IL - Boone, Winnebago	6.3
Non-SMSA Counties - IL - Lee, Ogle, Stephenson	4.6
098 Dubuque, IA: Non-SMSA Counties - IL - JoDaviess IA - Atlamakee, Clayton, Delaware, Jackson, Winnesheik WI - Crawford, Grant, Lafayette	0.5
099 Davenport, Rock Island, Moline, IA - IL: SMSA Counties: 1960 Davenport, Rock Island, Moline, IA - IL - IL - Henry, Rock Island IA - Scott	4.6
Non-SMSA Counties - IL - Carroll, Hancock, Henderson, Mercer, Whiteside IA - Clinton, DesMoines, Henry, Lee, Louisa, Muscatine MO - Clark	3.4
107 St. Louis, MO: SMSA Counties: 7040 St. Louis, MO - IL - IL - Clinton, Madison, Monroe, St. Clair MO - Franklin, Jefferson, St. Charles, St. Louis, St. Louis City	14.7
Non-SMSA Counties - IL - Alexander, Bond, Calhoun, Clay, Effingham, Fayette, Franklin, Greene, Jackson, Jasper, Jefferson, Jersey, Johnson, Macoupin, Marion, Montgomery, Perry, Pulaski, Randolph, Richland, Union, Washington, Wayne, Williamson MO - Bollinger, Butler, Cape Girardeau, Carter, Crawford, Dent, Gasconade, Iron, Lincoln, Madison, Maries, Mississippi, Montgomery, Perry, Phelps, Reynolds, Ripley, St. Francois, St. Genevieve, Scott, Stoddard, Warren, Washington, Wayne	11.4

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These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area. If the Contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the Contractor also is subject to the goals for both its federally involved and nonfederally involved construction.

The Contractor's compliance with Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the provisions and specifications set forth in its federally assisted contracts, and its efforts to meet the goals established for the geographical area where the contract resulting from this solicitation is to be performed. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Illinois Division of Aeronautics will provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction contract and/or subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. This notification will list the name, address and telephone number of the subcontractor; employer identification number; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the contract is to be performed.

4. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" is the entire State of Illinois for the goal set forth in APPENDIX A and the county or counties in which the work is located for the goals set forth in APPENDIX B.

STANDARD FEDERAL EQUAL EMPLOYMENT
OPPORTUNITY CONSTRUCTION CONTRACT
SPECIFICATIONS (EXECUTIVE ORDER 11246)

1. As used in these specifications:
 - a) "Covered area" means the geographical area described in the solicitation from which this contract resulted;
 - b) "Director" means Director, Office of Federal Contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates authority;
 - c) "Employer identification number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941;
 - d) "Minority" includes:
 - (i) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);
 - (ii) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race);
 - (iii) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and
 - (iv) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).
2. Whenever the Contractor, or any Subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000. the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.

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3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or Subcontractor participating in an approved Plan is individually required to comply with its obligations under the EEO clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or Subcontractors toward a goal in an approved Plan does not excuse any covered Contractor's or Subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.
4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7a through p of these specifications. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered Construction Contractors performing construction work in geographical areas where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed. Goals are published periodically in the Federal Register in notice form, and such notices may be obtained from any Office of Federal Contract Compliance Programs office or from Federal procurement contracting officers. The Contractor is expected to make substantially uniform progress toward its goals in each craft during the period specified.
5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.
6. In order for the nonworking training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees must be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.
7. The Contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:
 - a) Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working as such sites or in such facilities.
 - b) Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.
 - c) Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefor, along with whatever additional actions the Contractors may have taken.

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- d) Provide immediate written notification to the Director when the union or unions with which the Contractor has a collective bargaining agreement has not referred to the Contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.
- e) Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the Department of Labor. The Contractor shall provide notice of these programs to the sources compiled under 7b above.
- f) Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreements; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.
- g) Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with onsite supervisory personnel such as Superintendents, General Foreman, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.
- h) Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the Contractor's EEO policy with other Contractors and Subcontractors with whom the Contractor does or anticipates doing business.
- i) Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.
- j) Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a Contractor's workforce.
- k) Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.
- l) Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.
- m) Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligations under these specifications are being carried out.
- n) Ensure that all facilities and company activities are nonsegregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.
- o) Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction Contractors and suppliers, including circulation of solicitations to minority and female Contractor associations and other business associations.

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- p) Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.
8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (7a through p). The efforts of a Contractor association, joint Contractor-union, Contractor-community, or other similar group of which the Contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under 7a through p of these Specifications provided that the Contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the Contractor's minority and female workforce participation makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the Contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.
9. A single goal for minorities and a separate single goal for women have been established. The Contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the Contractor may be in violation of the Executive Order if a particular group is employed in a substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the Executive Order if a specified minority group of women is underutilized).
10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.
11. The Contractor shall not enter into any Subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.
12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.
13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.
14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy his requirement, Contractors shall not be required to maintain separate records.
15. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

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ANNUAL EEO-1 REPORT TO JOINT REPORTING COMMITTEE AS REQUIRED AT

41 CFR 60-1.7(a)

Any Contractor having a Federal contract of \$50,000 or more and 50 or more employees is required to file annual compliance reports on Standard Form 100 (EEO-1) with the Joint Reporting Committee in accordance with the instructions provided with the form. The Contractor will provide a copy of such a report to the contracting agency within 30 days after the award of a contract.

The Contractor shall require its subcontractors to file an SF 100 within 30 days after award of the subcontract if (1) it is not exempt from the provisions of these regulations in accordance with 60-1.5, (2) has 50 or more employees, (3) first tier subcontractor, and (4) has a subcontract amounting to \$50,000 or more.

Subcontractors below the first tier which perform construction work at the site of construction shall be required to file such a report if (1) it is not exempt from the provisions of these regulations in accordance with 60-1.5, (2) has 50 or more employees and has a subcontract amounting to \$50,000 or more.

The SF 100 is available at the following address:

Joint Reports Committee
EEOC - Survey Division
1801 "L" Street N.W.
Washington, D.C. 20750

Phone (202) 663-4968

DISADVANTAGED BUSINESS POLICY

I. NOTICE

This proposal contains the special provision entitled "Required Disadvantaged Business Participation." Inclusion of this Special Provision in this contract satisfies the obligations of the Department of Transportation under federal law as implemented by 49 CFR 23 and under the Illinois "Minority and Female Business Enterprise Act."

II. POLICY

It is public policy that the businesses defined in 49 CFR Part 23 shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with State or Federal funds. Consequently, the requirements of 49 CFR Part 23 apply to this contract.

III. OBLIGATION

The Contractor agrees to ensure that the businesses defined in 49 CFR Part 23 have the maximum opportunity to participate in the performance of this contract. In this regard, the Contractor shall take all necessary and reasonable steps, in accordance with 49 CFR Part 23, to ensure that the said businesses have the maximum opportunity to compete for and perform portions of this contract. The Contractor shall not discriminate on the basis of race, color, national origin, or sex in the selection and retention of subcontractors, including procurement of materials and leases of equipment.

The Contractor shall include the above Policy and Obligation statements of this Special Provision in every subcontract, including procurement of materials and leases of equipment.

IV. DBE/WBE CONTRACTOR FINANCE PROGRAM

On contracts where a loan has been obtained through the DBE/WBE Contractor Finance Program, the Contractor shall cooperate with the Department by making all payments due to the DBE/WBE Contractor by means of a two-payee check payable to the Lender (Bank) and the Borrower (DBE/WBE Contractor).

V. BREACH OF CONTRACT

Failure to carry out the requirements set forth above and in the Special Provision shall constitute a breach of contract and may result in termination of the contract or liquidated damages as provided in the special provision.

(Rev. 9/21/92)

State of Illinois
Department of Transportation

SPECIAL PROVISION
FOR
DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION

- I. FEDERAL OBLIGATION: The Department of Transportation, as a recipient of federal financial assistance, is required to take all necessary and reasonable steps to ensure nondiscrimination in the award and administration of contracts. Consequently, the federal regulatory provisions of 49 CFR part 26 apply to this contract concerning the utilization of disadvantaged business enterprises. This Special Provision will also be used by the Department to satisfy the requirements of the Business Enterprise for Minorities, Females, and Persons with Disabilities Act, 30 ILCS 575. For the purposes of this Special Provision, a disadvantaged business enterprise (DBE) means a business certified by the Department in accordance with the requirements of 49 CFR part 26 and listed in the DBE Directory or most recent addendum.
- II. CONTRACTOR ASSURANCE: The Contractor makes the following assurance and agrees to include the assurance in each subcontract that the Contractor signs with a subcontractor:
- The contractor, subrecipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of federally-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate.
- III. OVERALL GOAL SET FOR THE DEPARTMENT: As a requirement of compliance with 49 CFR part 26, the Department has set an overall goal for DBE participation in its federally assisted contracts. That goal is 22.7% of all federal-aid funds the Department will expend in its federally assisted contracts for the subject reporting fiscal year. The Department is required to make a good faith effort to achieve this goal. The dollar amount paid to all approved DBE firms performing work called for in this contract is eligible to be credited toward fulfillment of the Department's overall goal.
- IV. CONTRACT GOAL TO BE ACHIEVED BY THE CONTRACTOR: This contract includes a specific DBE utilization goal established by the Department. The goal has been included because the Department has determined that the work of this contract has subcontracting opportunities that may be suitable for performance by DBE companies. This determination is based on an assessment of the type of work, the location of the work, and the availability of DBE companies to do a part of the work. The assessment indicates that, in the absence of unlawful discrimination, and in an arena of fair and open competition, DBE companies can be expected to perform **15.0%** of the work. This percentage is set as the DBE participation goal for this contract. Consequently, in addition to the other award criteria established for this contract, the Department will award this contract to a bidder who makes a good faith effort to meet this goal of DBE participation in the performance of the work. A bidder makes a good faith effort for award consideration if either of the following is done in accordance with the procedures set forth in this Special Provision:
- A. The bidder documents that firmly committed DBE participation has been obtained to meet the goal; or
- B. The bidder documents that a good faith effort has been made to meet the goal, even though the effort did not succeed in obtaining enough DBE participation to meet the goal.

- V. DBE LOCATOR REFERENCES: Bidders may consult the DBE Directory as a reference source for DBE companies certified by the Department. In addition, the Department maintains a letting and item specific DBE locator information system whereby DBE companies can register their interest in providing quotes on particular bid items advertised for letting. Information concerning DBE companies willing to quote work for particular contracts may be obtained by contacting the Department's Bureau of Small Business Enterprises at telephone number (217)785-4611, or by visiting the Department's web site at www.dot.state.il.us.
- VI. BIDDING PROCEDURES: Compliance with the bidding procedures of this Special Provision is required prior to the award of the contract and the failure of the as-read low bidder to comply will render the bid nonresponsive.
- A. In order to assure the timely award of the contract, the as-read low bidder must submit a Disadvantaged Business Utilization Plan on Department form SBE 2026 within seven (7) working days after the date of letting. To meet the seven (7) day requirement, the bidder may send the Plan by certified mail or delivery service within the seven (7) working day period. If a question arises concerning the mailing date of a Plan, the mailing date will be established by the U.S. Postal Service postmark on the original certified mail receipt from the U.S. Postal Service or the receipt issued by a delivery service. It is the responsibility of the as-read low bidder to ensure that the postmark or receipt date is affixed within the seven (7) working days if the bidder intends to rely upon mailing or delivery to satisfy the submission day requirement. The Plan is to be submitted to the Department of Transportation, Bureau of Small Business Enterprises, Contract Compliance Section, 2300 South Dirksen Parkway, Room 319, Springfield, Illinois 62764 (Telefax: (217) 785-1524). It is the responsibility of the bidder to obtain confirmation of telefax delivery. The Department will not accept a Utilization Plan if it does not meet the seven (7) day submittal requirement, and the bid will be declared nonresponsive. In the event the bid is declared nonresponsive due to a failure to submit a Plan or failure to comply with the bidding procedures set forth herein, the Department may elect to cause the forfeiture of the penal sum of the bidder's proposal guaranty, and may deny authorization to bid the project if re-advertised for bids. The Department reserves the right to invite any other bidder to submit a Utilization Plan at any time for award consideration or to extend the time for award.
- B. The Utilization Plan shall indicate that the bidder either has obtained sufficient DBE participation commitments to meet the contract goal or has not obtained enough DBE participation commitments in spite of a good faith effort to meet the goal. The Utilization Plan shall further provide the name, telephone number and telefax number of a responsible official of the bidder designated for purposes of notification of plan approval or disapproval under the procedures of this Special Provision.
- C. The Utilization Plan shall include a DBE Participation Commitment Statement, Department form SBE 2025, for each DBE proposed for the performance of work to achieve the contract goal. The signatures on these forms must be original signatures. All elements of information indicated on the said form shall be provided, including but not limited to the following:
1. The name and address of each DBE to be used;
 2. A description, including pay item numbers, of the commercially useful work to be done by each DBE;
 3. The price to be paid to each DBE for the identified work specifically stating the quantity, unit price and total subcontract price for the work to be completed by the DBE. If partial pay items are to be performed by the DBE, indicate the portion of each item, a unit price where appropriate and the subcontract price amount;
 4. A commitment statement signed by the bidder and each DBE evidencing availability and intent to perform commercially useful work on the project; and
 5. If the bidder is a joint venture comprised of DBE firms and non-DBE firms, the plan must also include a clear identification of the portion of the work to be performed by the DBE partner(s).

D. The contract will not be awarded until the Utilization Plan submitted by the bidder is approved. The Utilization Plan will be approved by the Department if the Plan commits sufficient commercially useful DBE work performance to meet the contract goal. The Utilization Plan will not be approved by the Department if the Plan does not commit sufficient DBE performance to meet the contract goal unless the bidder documents that it made a good faith effort to meet the goal. The good faith procedures of Section VIII of this special provision apply. If the Utilization Plan is not approved because it is deficient in a technical matter, unless waived by the Department, the bidder will be notified and will be allowed no less than a five (5) working day period in order to cure the deficiency.

VII. CALCULATING DBE PARTICIPATION: The Utilization Plan values represent work anticipated to be performed and paid for upon satisfactory completion. The Department is only able to count toward the achievement of the overall goal and the contract goal the value of payments made for the work actually performed by DBE companies. In addition, a DBE must perform a commercially useful function on the contract to be counted. A commercially useful function is generally performed when the DBE is responsible for the work and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. The Department and Contractor are governed by the provisions of 49 CFR part 26.55(c) on questions of commercially useful functions as it affects the work. Specific counting guidelines are provided in 49 CFR part 26.55, the provisions of which govern over the summary contained herein.

A. DBE as the Contractor: 100% goal credit for that portion of the work performed by the DBE's own forces, including the cost of materials and supplies. Work that a DBE subcontracts to a non-DBE firm does not count toward the DBE goals.

B. DBE as a joint venture Contractor: 100% goal credit for that portion of the total dollar value of the contract equal to the distinct, clearly defined portion of the work performed by the DBE's own forces.

C. DBE as a subcontractor: 100% goal credit for the work of the subcontract performed by the DBE's own forces, including the cost of materials and supplies. Work that a DBE subcontractor in turn subcontracts to a non-DBE firm does not count toward the DBE goal.

D. DBE as a trucker: 100% goal credit for trucking participation provided the DBE is responsible for the management and supervision of the entire trucking operation for which it is responsible. At least one truck owned, operated, licensed and insured by the DBE must be used on the contract. Credit will be given for the full value of all such DBE trucks operated using DBE employed drivers. Goal credit will be limited to the value of the reasonable fee or commission received by the DBE if trucks are leased from a non-DBE company.

E. DBE as a material supplier:

1. 60% goal credit for the cost of the materials or supplies purchased from a DBE regular dealer.
2. 100% goal credit for the cost of materials or supplies obtained from a DBE manufacturer.
3. 100% credit for the value of reasonable fees and commissions for the procurement of materials and supplies if not a regular dealer or manufacturer.

VIII. GOOD FAITH EFFORT PROCEDURES: If the bidder cannot obtain sufficient DBE commitments to meet the contract goal, the bidder must document in the Utilization Plan the good faith efforts made in the attempt to meet the goal. This means that the bidder must show that all necessary and reasonable steps were taken to achieve the contract goal. Necessary and reasonable steps are those which could reasonably be expected to obtain sufficient DBE participation. The Department will consider the quality, quantity and intensity of the kinds of efforts that the bidder has made. Mere *pro forma* efforts are not good faith efforts; rather, the bidder is expected to have taken those efforts that would be reasonably expected of a bidder actively and aggressively trying to obtain DBE participation sufficient to meet the contract goal.

- A. The following is a list of types of action that the Department will consider as part of the evaluation of the bidder's good faith efforts to obtain participation. These listed factors are not intended to be a mandatory checklist and are not intended to be exhaustive. Other factors or efforts brought to the attention of the Department may be relevant in appropriate cases, and will be considered by the Department.
1. Soliciting through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising and/or written notices) the interest of all certified DBE companies that have the capability to perform the work of the contract. The bidder must solicit this interest within sufficient time to allow the DBE companies to respond to the solicitation. The bidder must determine with certainty if the DBE companies are interested by taking appropriate steps to follow up initial solicitations.
 2. Selecting portions of the work to be performed by DBE companies in order to increase the likelihood that the DBE goals will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the prime contractor might otherwise prefer to perform these work items with its own forces.
 3. Providing interested DBE companies with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation.
 4. (a) Negotiating in good faith with interested DBE companies. It is the bidder's responsibility to make a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBE companies that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional agreements could not be reached for DBE companies to perform the work.

(b) A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using DBE companies is not in itself sufficient reason for a bidder's failure to meet the contract DBE goal, as long as such costs are reasonable. Also, the ability or desire of a prime contractor to perform the work of a contract with its own organization does not relieve the bidder of the responsibility to make good faith efforts. Prime contractors are not, however, required to accept higher quotes from DBE companies if the price difference is excessive or unreasonable.
 5. Not rejecting DBE companies as being unqualified without sound reasons based on a thorough investigation of their capabilities. The contractor's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the contractor's efforts to meet the project goal.
 6. Making efforts to assist interested DBE companies in obtaining bonding, lines of credit, or insurance as required by the recipient or contractor.
 7. Making efforts to assist interested DBE companies in obtaining necessary equipment, supplies, materials, or related assistance or services.
 8. Effectively using the services of available minority/women community organizations; minority/women contractors' groups; local, state, and Federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBE companies.
- B. If the Department determines that the Contractor has made a good faith effort to secure the work commitment of DBE companies to meet the contract goal, the Department will award the contract provided that it is otherwise eligible for award. If the Department determines that a good faith effort has not been made, the Department will notify the bidder of that preliminary determination by contacting the responsible company official designated in the Utilization Plan. The preliminary determination shall include a statement of reasons why good faith efforts have not been found, and may include additional good faith efforts that the bidder could take. The notification will

designate a five (5) working day period during which the bidder shall take additional efforts. The bidder is not limited by a statement of additional efforts, but may take other action beyond any stated additional efforts in order to obtain additional DBE commitments. The bidder shall submit an amended Utilization Plan if additional DBE commitments to meet the contract goal are secured. If additional DBE commitments sufficient to meet the contract goal are not secured, the bidder shall report the final good faith efforts made in the time allotted. All additional efforts taken by the bidder will be considered as part of the bidder's good faith efforts. If the bidder is not able to meet the goal after taking additional efforts, the Department will make a pre-final determination of the good faith efforts of the bidder and will notify the designated responsible company official of the reasons for an adverse determination.

- C. The bidder may request administrative reconsideration of a pre-final determination adverse to the bidder within the five (5) working days after the notification date of the determination by delivering the request to the Department of Transportation, Division of Aeronautics, 1 Langhorne Bond Drive, Capital Airport, Springfield, IL 62707-8415 (Telefax: 217-785-4533). Deposit of the request in the United States mail on or before the fifth business day shall not be deemed delivery. The pre-final determination shall become final if a request is not made and delivered. A request may provide additional written documentation and/or argument concerning the issue of whether an adequate good faith effort was made to meet the contract goal. In addition, the request shall be considered a consent by the bidder to extend the time for award. The request will be forwarded to the Department's Reconsideration Officer. The Reconsideration Officer will extend an opportunity to the bidder to meet in person in order to consider all issues of whether the bidder made a good faith effort to meet the goal. After the review by the Reconsideration Officer, the bidder will be sent a written decision within ten (10) working days after receipt of the request for reconsideration, explaining the basis for finding that the bidder did or did not meet the goal or make adequate good faith efforts to do so. A final decision by the Reconsideration Officer that a good faith effort was made shall approve the Utilization Plan submitted by the bidder and shall clear the contract for award. A final decision that a good faith effort was not made shall render the bid nonresponsive.

IX. CONTRACT COMPLIANCE: Compliance with this Special Provision is an essential part of the contract. The Department is prohibited by federal regulations from crediting the participation of a DBE included in the Utilization Plan toward either the contract goal or the Department's overall goal until the amount to be applied toward the goals has been paid to the DBE. The following administrative procedures and remedies govern the compliance by the Contractor with the contractual obligations established by the Utilization Plan. After approval of the Plan and award of the contract, the Utilization Plan and individual DBE Participation Statements become part of the contract. If the contractor did not succeed in obtaining enough DBE participation to achieve the advertised contract goal, and the Utilization Plan was approved and contract awarded based upon a determination of good faith, the total dollar value of DBE work calculated in the approved Utilization Plan as a percentage of the awarded contract value shall become the amended contract goal.

- A. No amendment to the Utilization Plan may be made without prior written approval from the Division of Aeronautics. All requests for amendment to the Utilization Plan shall be submitted to the Department of Transportation, Division of Aeronautics, 1 Langhorne Bond Drive, Capital Airport, Springfield, IL 62707-8415. Telephone number (217) 785-8514. Telefax number (217) 785-4533.
- B. All work indicated for performance by an approved DBE shall be performed, managed and supervised by the DBE executing the Participation Statement. The Contractor shall not terminate for convenience a DBE listed in the Utilization Plan and then perform the work of the terminated DBE with its own forces, those of an affiliate or those of another subcontractor, whether DBE or not, without first obtaining the written consent of the Bureau of Small Business Enterprises to amend the Utilization Plan. If a DBE listed in the Utilization Plan is terminated for reasons other than convenience, or fails to complete its work on the contract for any reason, the Contractor shall make good faith efforts to find another DBE to substitute for the terminated DBE. The good faith efforts shall be directed at finding another DBE to perform at least the same amount of work under the contract as the DBE that was terminated, but only to the extent needed to meet the contract goal or the amended contract goal. The Contractor shall notify the Division of Aeronautics of any termination for reasons other than convenience, and shall obtain approval for inclusion of the substitute DBE in the Utilization Plan. If good faith efforts following a termination of a DBE for cause are not successful, the Contractor shall contact the Division and provide a full accounting of the efforts undertaken to obtain substitute DBE participation. The Division will evaluate the good faith efforts in light of all circumstances surrounding the performance status of the contract, and determine whether the contract goal should be amended.

- C. The Contractor shall maintain a record of payments for work performed to the DBE participants. The records shall be made available to the Department for inspection upon request. After the performance of the final item of work or delivery of material by a DBE and final payment therefor to the DBE by the Contractor, but not later than thirty (30) calendar days after payment has been made by the Department to the Contractor for such work or material without regard to any retainage withheld by the Department, the Contractor shall submit a DBE Payment Report on Department form SBE 2115 to the Division's Chief Engineer. If full and final payment has not been made to the DBE, the Report shall indicate whether a disagreement as to the payment required exists between the Contractor and the DBE or if the Contractor believes that the work has not been satisfactorily completed. If the Contractor does not have the full amount of work indicated in the Utilization Plan performed by the DBE companies indicated in the Plan, the Department will deduct from contract payments to the Contractor the amount of the goal not achieved as liquidated and ascertained damages.

- D. The Department reserves the right to withhold payment to the Contractor to enforce the provisions of this Special Provision. Final payment shall not be made on the contract until such time as the Contractor submits sufficient documentation demonstrating achievement of the goal in accordance with this Special Provision or after liquidated damages have been determined and collected.

Certification of Nonsegregated Facilities - as Required by 41 CFR 60-1.8

(Applicable to (1) contracts, (2) subcontracts, and (3) agreements with applicants who are themselves performing federally assisted construction contracts, exceeding \$10,000.00 which are not exempt from the provisions of the Equal Opportunity clause).

By the submission of this bid, the bidder, offeror, applicant, or subcontractor certifies that he does not maintain or provide for his employees any segregated facilities at any of his establishments and that that he does not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. He certifies further that he will not maintain or provide for his employees any segregated facilities at any of his establishments and that he will not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The bidder, offeror, applicant, or subcontractor agrees that a breach of his certification is a violation of the Equal opportunity clause in this contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, or national origin, because of habit, local custom, or otherwise. He further agrees that (except where he has obtained identical certifications from proposed subcontractors for specific time periods) he will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000.00 which are not exempt from the provisions of the Equal Opportunity clause; that he will retain such certifications in his files and that he will forward the following notice to such proposed subcontractors (except where the proposed subcontractors have submitted identical certifications for specific time periods):

**NOTICE TO PROSPECTIVE SUBCONTRACTORS OF REQUIREMENT FOR
CERTIFICATIONS OF NONSEGREGATED FACILITIES**

A certification of Nonsegregated Facilities must be submitted prior to the award of a subcontract exceeding \$10,000.00 which is not exempt from the provisions of the Equal Opportunity clause. The certification may be submitted either for each subcontract or for all subcontracts during a period (i.e., quarterly, semiannually or annually).

NOTE: The penalty for making false statements in offers is prescribed in 18 U.S.C 1001.

CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS
Instructions for Certification

1. By signing and submitting this proposal, the prospective primary participant is providing the certification set out below.
2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in this covered transaction. The prospective participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective primary participant to furnish a certification or an explanation shall disqualify such person from participation in this transaction.
3. The certification in this clause is a material representation of fact upon which reliance was placed when the department or agency determined to enter into this transaction. If it is later determined that the prospective primary participant knowingly rendered an erroneous certification in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause of default.
4. The prospective primary participant shall provide immediate written notice to the department or agency to whom this proposal is submitted if at any time the prospective primary participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
5. The terms "covered transaction" "debarred" "suspended" "ineligible" "lower tier covered transaction" "participant" "person" "primary covered transaction" "principal" "proposal" and "voluntarily excluded" as used in this clause have the meaning set out in the Definitions and Coverage sections of the rules implementing Executive Order 12540. You may contact the department or agency to which this proposal is being submitted for assistance in obtaining a copy of those regulations.
6. The prospective primary participant agrees by submitting this proposal that should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction unless authorized by the department or agency entering into this transaction.
7. The prospective primary participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Transaction", provided by the department or agency entering into this covered transaction without modification in all lower covered transactions and in all solicitations for lower covered transactions.
8. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to check the Nonprocurement List (Tel. #).
9. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
10. Except for transactions authorized under paragraph 8 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

Certification Regarding Debarment, Suspension, and
Other Responsibility Matters - Primary Covered Transactions

1. The prospective primary participant certifies to the best of its knowledge and belief that it and its principals:
 - a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by an Federal department or agency;
 - b. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain or performing a public (Federal, State or Local) transaction or contract under a public transaction: violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction or destruction of records, making false statements, or receiving stolen property;
 - c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - d. Have not within a three-period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

CERTIFICATION REGARDING LOBBYING (Applicable to contracts in excess of \$100,000):

Certification for Contracts, Grants, Loans and Cooperative Agreements.

The undersigned bidder certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have paid or will be paid, by or behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an Officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

WORKERS' COMPENSATION INSURANCE

Prior to the execution of his construction contract by the Illinois Department of Transportation, Division of Aeronautics, hereinafter referred to as "Division", the Contractor shall furnish to the Division certificates of insurance covering Workers' Compensation, or satisfactory evidence that this liability is otherwise taken care of in accordance with Section 4.(a) of the "Workers' Compensation Act of the State of Illinois" as amended.

Such insurance, or other means of protection as herein provided, shall be kept in force until all work to be performed under the terms of the contract has been completed and accepted in accordance with the specifications, and it is hereby understood and agreed that the maintenance of such insurance or other protection, until acceptance of the work by the Division is a part of the contract. Failure to maintain such insurance, cancellation by the Industrial Commission of its approval of such other means of protection as might have been elected, or any other act which results in lack of protection under the said "Workers' Compensation Act" may be considered as a breach of the contract.

SPECIAL PROVISION FOR DOMESTIC SOURCE FOR STEEL

Control of Materials: All steel products, as defined by the Illinois Steel Products Procurement Act, incorporated into this project shall be manufactured or produced in the United States and, in addition, shall be domestically fabricated. The Contractor shall obtain from the steel producer and/or fabricator, in addition to the mill analysis, a certification that all steel products meet these domestic source requirements.

CLAUSE TO BE INCLUDED IN ALL SOLICITATIONS,
CONTRACTS, AND SUBCONTRACTS RESULTING FROM PROJECTS FUNDED UNDER THE AIP

The Contractor or subcontractor, by submission of an offer and/or execution of a contract, certifies that it:

- a. is not owned or controlled by one or more citizens or nationals of a foreign country included in the list of countries that discriminate against U.S. firms published by the Office of the United States Trade Representative (USTR);
- b. has not knowingly entered into any contract or subcontract for this project with a Contractor that is a citizen or national of a foreign country on said list, or is owned or controlled directly or indirectly by one or more citizens or nationals of a foreign country on said list.
- c. has not procured any product nor subcontracted for the supply of any product for use on the project that is produced in a foreign country on said list.

Unless the restrictions of this clause are waived by the Secretary of Transportation in accordance with 49 CFR 30.17, no contract shall be awarded to a Contractor or subcontractor who is unable to certify to the above. If the Contractor knowingly procures or subcontracts for the supply of any product or service of a foreign country on the said list for use on the project, the Federal Aviation Administration may direct, through the sponsor, cancellation of the contract at no cost to the Government.

Further, the Contractor agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification without modification in each contract and in all lower tier subcontracts. The Contractor may rely upon the certification of a prospective subcontractor unless it has knowledge that the certification is erroneous.

The Contractor shall provide immediate written notice to the sponsor if the Contractor learns that its certification or that of a subcontractor was erroneous when submitted or has become erroneous by reason of changed circumstances. The subcontractor agrees to provide immediate written notice to the Contractor, if at any time it learns that its certification was erroneous by reason of changed circumstances.

This certification is a material representation of fact upon which reliance was placed when making the award. If it is later determined that the Contractor or subcontractor knowingly rendered an erroneous certification, the Federal Aviation Administration may direct, through this sponsor, cancellation of the contract or subcontract for default at no cost to the Government.

Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by this provision. The knowledge and information of a Contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

This certification concerns a matter within the jurisdiction of an agency of the United States of America and the making of false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code, Section 1001.

**MINIMUM WAGES FOR FEDERAL AND FEDERALLY
ASSISTED CONSTRUCTION CONTRACTS**

This project is funded, in part, with Federal-aid funds and, as such, is subject to the provisions of the Davis-Bacon Act of March 3, 1931, as amended (46 Sta. 1494, as amended, 40 U.S.C. 276a) and of other Federal statutes referred to in a 29 CFR Part 1, Appendix A, as well as such additional statutes as may from time to time be enacted containing provisions for the payment of wages determined to be prevailing by the Secretary of Labor in accordance with the Davis-Bacon Act and pursuant to the provisions of 29 CFR Part 1. The prevailing rates and fringe benefits shown in the General Wage Determination Decisions issued by the U.S. Department of Labor shall, in accordance with the provisions of the foregoing statutes, constitute the minimum wages payable on Federal and federally assisted construction projects to laborers and mechanics of the specified classes engaged on contract work of the character and in the localities described therein.

General Wage Determination Decisions, modifications and supersedes decisions thereto are to be used in accordance with the provisions of 29 CFR Parts 1 and 5. Accordingly, the applicable decision, together with any modifications issued, must be made a part of every contract for performance of the described work within the geographic area indicated as required by an applicable DBRA Federal prevailing wage law and 29 CFR Part 5. The wage rates and fringe benefits contained in the General Wage Determination Decision shall be the minimum paid by contractors and subcontractors to laborers and mechanics.

NOTICE

The most current **General Wage Determination Decisions** (wage rates) are available on the IDOT web site. They are located on the Letting and Bidding page at <http://www.dot.state.il.us/desenv/delett.html>.

In addition, ten (10) days prior to the letting, the applicable Federal wage rates will be e-mailed to subscribers. It is recommended that all contractors subscribe to the Federal Wage Rates List or the Contractor's Packet through IDOT's subscription service.

PLEASE NOTE: if you have already subscribed to the Contractor's Packet you will automatically receive the Federal Wage Rates.

The instructions for subscribing are at <http://www.dot.state.il.us/desenv/subsc.html>.

If you have any questions concerning the wage rates, please contact IDOT's Chief Contract Official at 217-782-7806.

BITUMINOUS MATERIALS COST ADJUSTMENTS (BDE) (RETURN FORM WITH BID)

Effective: December 1, 2006

Description. For projects with at least 1200 tons of work involving applicable bituminous materials, cost adjustments will be made to provide additional compensation to the Contractor, or credit to the Department, for fluctuations in the cost of bituminous materials when optioned by the Contractor. The adjustments shall apply to permanent and temporary hot-mix asphalt (HMA) mixtures, bituminous surface treatments (cover and seal coats), and pavement preservation type surface treatments. The adjustments shall not apply to bituminous prime coats, tack coats, crack filling/sealing, or joint filling/sealing.

The bidder shall indicate on the attached form whether or not this special provision will be part of the contract and submit the completed form with his/her bid. Failure to submit the form, or failure to fill out the form completely, shall make this contract exempt of bituminous materials cost adjustments.

Method of Adjustment. Bituminous materials cost adjustments will be computed as follows.

$$CA = (BPI_p - BPI_L \times (\%AC_v / 100)) \times Q$$

Where: CA = Cost Adjustment, \$.
BPI_p = Bituminous Price Index, as published by the Department @ <http://www.dot.il.gov/desenv/asphaltpi.html> for the month the work is performed, \$/ton.
BPI_L = Bituminous Price Index, as published by the Department @ <http://www.dot.il.gov/desenv/asphaltpi.html> for the month prior to the letting, \$/ton.
%AC_v = Percent of virgin Asphalt Cement in the Quantity being adjusted. For HMA mixtures, the % AC_v will be determined from the adjusted job mix formula. For bituminous materials applied, a performance graded or cutback asphalt will be considered to be 100% AC_v and undiluted emulsified asphalt will be considered to be 65% AC_v.
Q = Authorized construction Quantity, tons (see below).

For HMA mixtures measured in square yards: Q, tons = A x D x (G_{mb} x 46.8) / 2000. When computing adjustments for full-depth HMA pavement, separate calculations will be made for the base, leveling and surface courses to account for their different G_{mb} and % AC_v.

For bituminous materials measured in gallons: Q, tons = V x 8.33 lb/gal x SG / 2000

Where: A = Area of the HMA mixture, sq yd.
D = Depth of the HMA mixture, in.
G_{mb} = Average bulk specific gravity of the mixture, from the approved mix design.
V = Volume of the bituminous material, gal.
SG = Specific Gravity of bituminous material as shown on the bill of lading.

Basis of Payment. Bituminous materials cost adjustments may be positive or negative but will only be made when there is a difference between the BPI_L and BPI_p in excess of five percent, as calculated by:

$$\text{Percent Difference} = \{(BPI_L - BPI_p) \div BPI_L\} \times 100$$

Bituminous materials cost adjustments will be calculated for each calendar month in which applicable bituminous material is placed; and will be paid or deducted when all other contract requirements for the items of work are satisfied. The adjustments shall not apply during contract time subject to liquidated damages for completion of the entire contract.

Added 12/01/2006

Return With Bid

**ILLINOIS DEPARTMENT
OF TRANSPORTATION**

**OPTION FOR
BITUMINOUS MATERIALS COST ADJUSTMENTS**

The bidder shall submit this completed form with his/her bid. Failure to submit the form, or failure to fill out the form completely, shall make this contract exempt of bituminous materials cost adjustments. After award, this form, when submitted, shall become part of the contract.

Contract No.: _____

Company Name: _____

Contractor's Option:

Is your company opting to include this special provision as part of the contract?

Yes

No

Signature: _____ **Date:** _____

Added 12/01/2006

SECTION III

Special Provisions
For

REHABILITATE AIR CARRIER APRON, PHASE 2,
REHABILITATE TAXIWAY A7, AND ENHANCED
CENTERLINE MARKINGS

ADDITIVE ALTERNATE 1: REHABILITATE
TAXIWAY A6

IL PROJECT NO: CMI-3663
AIP PROJECT NO: 3-17-0016-XX

AT

UNIVERSITY OF ILLINOIS – WILLARD AIRPORT
SAVOY, ILLINOIS

April 18, 2008

Prepared By:

CRAWFORD, MURPHY & TILLY, INC.
Consulting Engineers
2750 West Washington Street
Springfield, IL 62702



GENERAL

These Special Provisions, together with applicable Standard Specifications, Contract Requirements for Airport Improvement Projects, Rules and Regulations, Payroll Requirements and Minimum Wage Rates which are hereto attached or which by reference are herein incorporated, cover the requirements of the State of Illinois, Division of Aeronautics, and the representatives of the University of Illinois – Willard Airport, for the construction of Rehabilitate Air Carrier Apron, Phase 2 and associated improvements at the University of Illinois – Willard Airport, Savoy, Illinois.

GOVERNING SPECIFICATIONS AND RULES AND REGULATIONS

The “**Standard Specifications for Construction of Airports**”, State of Illinois Department of Transportation, Division of Aeronautics, dated January 1985, the “**Supplemental Specifications and Recurring Special Provisions**”, dated July 1, 2004, State of Illinois Department of Transportation, Division of Aeronautics, and the “**Interim Revisions to the Supplemental and Recurring Special Provisions**”, adopted May 11, 2007, State of Illinois Department of Transportation, Division of Aeronautics, indicated on the check sheet herein shall govern the project except as otherwise noted in these Special Provisions. In the case of conflict with any part or parts of said specifications, the said Special Provisions shall take precedence and shall govern. As noted within the Special Provisions the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction dated January 1, 2007 shall apply.

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The following RECURRING SPECIAL PROVISIONS indicated by an "X" are Applicable to this contract and are included by reference:

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DIVISION 1 – GENERAL PROVISIONS

20-05 MAINTENANCE OF TRAFFIC

ADD: The Contractor activity on the airfield shall be limited to the limits of construction as identified on the construction activity plan drawings. Beyond the limits of construction the Contractor shall not have access to any part of the active airfield pavement with any equipment or personnel without the approval of airport management.

Any time the Contractor crosses or needs temporary access to the active airfield pavement (runways and taxiways), the Contractor shall be in contact with the air traffic control tower. The Contractor shall provide his own radios capable of transmitting and receiving on the tower's ground frequency of 121.80 MHz.

The Contractor shall provide and maintain construction entrance signage on Monticello Road as required by the Champaign County Highway Department or other applicable agencies. The Contractor shall be responsible for coordinating all hauling and access on city, township or county roads with the agency responsible for the roadway.

30-04 COOPERATION OF CONTRACTOR

ADD: The completion of this project prior to the contract completion date is of extreme importance to the Airport Management. The Contractor shall update his progress schedule as required for the scheduled progress meetings.

A materials/pre-paving meeting shall be scheduled prior to the start of paving to discuss acquisition, mixing, placing, testing, etc. The superintendent, paving foreman, batching foreman/material supplier, quality control officer, and the resident engineer are required to attend this meeting.

30-06 CONSTRUCTION LAYOUT

RESPONSIBILITY OF THE RESIDENT ENGINEER

DELETE: Paragraphs A and B of the Supplemental Specifications and replace with:

- A. The Resident Engineer will locate and reference four (4) control points within the limits of the project.
- B. A benchmark has been established along the project outside of construction lines.

ADD: As paragraph M:

- M. It is not the responsibility of the Resident Engineer to check the correctness of the Contractor's stakes or forms, except as provided herein; however, any errors that are apparent shall be immediately called to the Contractor's attention, and he shall be required to make the necessary correction before the stakes are used for construction purposes.

RESPONSIBILITY OF THE CONTRACTOR

ADD:

- H. The Contractor shall immediately notify the Resident Engineer of conflicts or discrepancies with the established control points.

- I. Construction layout shall not be paid for separately, but shall be considered incidental to the pay item for which the layout is required.

30-12 LOAD RESTRICTIONS

ADD: Access to the construction work area is limited to the haul routes as shown on the site plan and construction activity plan drawings. The use of existing airfield pavements by the Contractor construction traffic, including all haul traffic, is limited to the hauling routes as shown on the site plan and construction activity plan drawings. Use of existing airfield pavement other than as shown on the site plan and construction activity plan drawings is prohibited. Any damage to existing airfield pavement due to construction traffic operating beyond the approved work limits, hauling outside of the approved haul/access routes and construction traffic operating in prohibited areas shall be repaired by the Contractor at his own expense to the satisfaction of the Owner.

To protect existing buried cables within the limits of the Contractor constructed haul road, the Contractor shall provide and maintain steel road plates or mound aggregate or embankment material over the existing cables shown approximately on the construction activity plan drawings.

The Contractor shall coordinate construction hauling, construction access and load restrictions with the County Superintendent of Highways and/or the Township Road Commissioner and the City of Savoy as required. The Contractor shall be responsible for damage to any airfield pavement or public road caused by his construction operations. Any damage to existing airfield pavements or public roads shall be replaced by the Contractor at his own expense to the satisfaction of the Owner.

30-18 PLANS AND WORK DRAWINGS

EDIT: Information to be included on shop drawing submittals shall conform to the following:

PROJECT LOCATION: University of Illinois – Willard Airport
Savoy, IL

PROJECT TITLE: Rehabilitate Air Carrier Apron
Phase 2

PROJECT NUMBERS: Illinois Project: CMI-3663
AIP Project: 3-17-0016-XX

CONTRACT ITEM: (Pay Item Name & Number), ie.:
AR125942 Adjust Base Mounted Light

SUBMITTED BY: (Contractor/SubContractor Name)

DATE: (Date of Submittal)

This information shall be included on each page of each submittal.

40-05 RESIDENT ENGINEER'S FIELD OFFICE

ADD: The Contractor shall be required to furnish and maintain a Resident Engineer's Field Office for this contract.

ADD:

40-11 REQUIRED SUBMITTALS

The Contractor shall certify all materials contained in the contract. Certification documentation shall be submitted to the Resident Engineer. It shall be the sole responsibility of the Contractor to ensure the delivery of adequate and accurate documentation prior to the delivery of materials. Materials incorporated into this project without the prior approval of the Resident Engineer will not be recommended for payment.

As a guide to the certification process and requirements, the Contractor shall use the Illinois Department of Transportation/Division of Aeronautics MANUAL FOR DOCUMENTATION OF AIRPORT MATERIALS (latest edition). Copies of this manual are available from the Illinois Division of Aeronautics. The MANUAL FOR DOCUMENTATION OF AIRPORT MATERIALS defines the Resident Engineer's/Contractor's responsibilities (Sections 300/400). The Contractor shall have the sole responsibility to provide the Engineer with appropriate documentation to satisfy the contract certification requirements prior to the delivery of materials.

All sheets of all submittals shall contain the following information:

- **University of Illinois – Willard Airport**
- **Rehabilitate Air Carrier Apron, Phase 2**
- **IL Project No. CMI-3663**
- **AIP Project No. 3-17-0016-XX**
- **Pay Item No. and Description**
- **Quantity**
- **Date**

50-10 BARRICADES, WARNING SIGNS & HAZARD MARKERS

ADD: After the second paragraph:

The Contractor shall be required to place barricades and flaglines as depicted in the drawings around his work limits during each phase of the construction. The barricades shall be as shown in the plans and delineate the construction area. Payment for this work shall be incidental to the contract.

The Contractor shall provide and install any warning signs (trucks entering highway, etc.) and provide flagmen as required by the County Superintendent of Highways and/or the Township Road Commissioner and the City of Savoy as required. Any cost for signage or traffic control shall be borne by the Contractor.

50-17 CONTRACTOR'S RESPONSIBILITY FOR UTILITY SERVICE AND FACILITIES OF OTHERS

EDIT: Should any utilities or cables require location, the following people shall be contacted:

University of Illinois – Willard Airport

Utility Service or Facility	Person to Contact	Contact Phone
Airfield Lighting Cables	Bill Bialeschki	217-244-8604
FAA Control and Communications Cable	Dave Woolridge	217-355-4040
Sanitary Sewer	Bill Bialeschki	217-244-8604
Electric Cables	J.U.L.I.E.	1-800-892-0123
Water	Bill Bialeschki J.U.L.I.E.	217-244-8604 800-892-0123
Telephone Cables	J.U.L.I.E.	800-892-0123
Gas Lines	J.U.L.I.E.	800-892-0123
All Utilities	U of I Operations and Maintenance	217-333-0340

ADD:

50-26 CONTRACTOR'S RESPONSIBILITY FOR SAFETY DURING CONSTRUCTION

The Contractor shall be responsible for safety during construction as follows:

- (1) Possess a copy of the project safety plan.
- (2) Comply with the safety plan associated with the construction project and ensure that construction personnel are familiar with safety procedures and regulations on the Airport.
- (3) Provide a point of contact that will coordinate an immediate response to correct any construction-related activity that may adversely affect the operational safety of the Airport.
- (4) Provide a safety officer/construction inspector trained in airport safety to monitor construction activities.
- (5) Restrict movement of construction vehicles to construction areas as flagging and barricading, erecting temporary fencing, or providing escorts, as appropriate or as shown in plans.
- (6) Ensure that no construction employees, employees of subcontractors or suppliers, or other persons enter any part of the aircraft operations area from construction site unless authorized.

60-05 LIMITATION OF OPERATIONS

ADD: A minimum distance of 80' shall be maintained between construction operations and the centerline of all active taxiways and taxilanes and 200' from centerline of active runways. It is intended to plan, conduct, and complete the work in these critical traffic areas in such a manner that the length and amount of interruption to aircraft traffic at the Airport is minimized.

ADD:

60-14 EMPLOYEE'S PARKING AREA

The location of an area for parking by the Contractor's employees shall be as shown on the plans or as agreed to at the preconstruction meeting.

Use of personal vehicles beyond the staging area will not be allowed.

60-15 SECURITY DURING CONSTRUCTION

The Contractor shall be responsible for security during construction as follows:

- (1) Possess a copy of the Airport's project security plan.
- (2) Visibly delineate his construction zone by placing barricades and flaglines around the entire work zone during each phase of the contract.
- (3) Comply with the Airport's security plan associated with the construction project and ensure that construction personnel are familiar with security procedures and regulations on the Airport.
- (4) Provide a point of contact that will coordinate an immediate response to correct any construction-related activity that may adversely affect the operational security of the Airport.
- (5) Restrict movement of construction vehicles to construction areas as flagging and barricading, erecting temporary fencing, or providing escorts, as appropriate or as shown in plans.
- (6) Ensure that no construction employees, employees of subcontractors or suppliers, or other persons enter any part of the aircraft operations area from construction site unless authorized.
- (7) The Airport Manager may require that all Security Guards undergo additional training necessary to meet the Airport's security needs.

The Contractor shall comply with Federal Aviation Regulations Part 107 (Airport Security), Federal Air Regulation 139 (Airport Certification), and with all rules and regulations of the Airport, including, but not limited to, control and access to the ramp by Contractor's, employees and agents. In the event the Authority is assessed a fine by the Federal Aviation Administration or Transportation Security Administration for breach of security resulting from actions of Contractor's employees and agents, the Contractor shall fully reimburse the Airport for the amount of such fine in the form of additional rents.

Contractor personnel shall not be required to obtain an Airport issued photo I.D. badge unless deemed necessary by the Airport Manager or Security Chief. All costs associated with photo I.D. badge issuance shall be the responsibility of the Contractor.

ITEM AR110000 - INSTALLATION OF AIRPORT UNDERGROUND ELECTRICAL DUCT

DESCRIPTION

110-1.1 ADD: This item shall consist of the following:

1. Removal of existing in-turf duct markers prior to placing shoulder embankment material and replacement of the in-turf duct markers at the same horizontal location after the embankment materials have been placed and finish graded.
2. Replacement of existing in-pavement duct markers in the same horizontal location in new bituminous pavement after the bituminous overlay has been placed.

CONSTRUCTION METHODS

110-3.1, 3.2, 3.3, 3.5, and 3.6

DELETE: These Sections.

110-3.4 DUCT MARKERS

ADD: Prior to scarification and placing shoulder embankment material, each duct marker in turf shall be cataloged and the location recorded electronically by the Contractor.

For the existing duct markers in turf, the existing duct markers shall be removed, preserved and protected prior to placing the shoulder embankment material. After the shoulder adjustment is complete, each duct marker shall be replaced at its original horizontal location. All existing duct markers damaged by the removal and replacement activities shall be replaced by the Contractor at the contractor's expense.

METHOD OF MEASUREMENT

110-4.1 DELETE: Entire Section.

ADD: The quantity of concrete duct markers replaced will be measured per each unit installed in place and accepted by the resident engineer.

BASIS OF PAYMENT

110-5.1 DELETE: Entire Section.

ADD:

The accepted quantities of duct markers replaced will be paid for at the contract unit price for "Adjust Cable Marker" per each, complete and in place. These prices shall be full compensation for furnishing all materials and for all preparation, removals, modifications, assembly, and installation of these materials and for all labor, equipment, tools, and incidentals necessary to complete this item.

Payment will be made under:

Item AR110949 – Adjust Cable Marker – per each
Item AS110949 – Adjust Cable Marker – per each

ITEM AR125000 - INSTALLATION OF AIRPORT LIGHTING SYSTEMS

DESCRIPTION

125-1.1 ADD: Airfield lighting improvements shall include:

1. Adjustment of existing base mounted taxiway lights;
2. Adjustment of existing stake mounted taxiway lights;
3. Adjustment of existing airfield guidance signs;

ADD: The existing base mounted lights and taxi guidance signs will be vertically adjusted with Contractor-furnished FAA-approved adjusting rings.

The Contractor will be required to collect the elevations of the existing light bases, splice cans and guidance signs prior to adjusting the units, determine the correct vertical adjustment dimension based on the overlay grades and the adjustment details presented in the plans and order the adjusting rings (and spacers).

The Contractor shall order adjustment materials prior to beginning work.

The Contractor shall also be responsible for covering or completely obscuring the edge lights within closed portions of the airfield to prevent aircraft access to the work zone.

EQUIPMENT AND MATERIALS

125-2.1 GENERAL

ADD: Shop drawings and letters of certification shall be submitted for all materials incorporated into the proposed work.

Airport lighting equipment and materials covered by Federal Aviation Administration (FAA) specifications shall be certified and listed under Advisory Circular (AC) 150/5345-53 (latest edition), Airport Lighting Equipment Certification Program.

All lighting system construction shall include all items necessary to construct a complete unit including, but not restricted to, concrete bases, light cans, conduit, connectors, fixtures, and transformers.

The Contractor shall ascertain that all lighting system components furnished by him (including FAA approved equipment) are compatible in all respects with each other and remainder of the new/existing system. Any non-compatible components furnished by the Contractor shall be replaced by him at no additional cost with a similar unit, approved by the Engineer (different model or different manufacturer) that is compatible with the remainder of the airport lighting system.

125-2.3 CONCRETE

DELETE: This Section.

ADD: All structural concrete shall meet the requirements of Item 610.

125-2.4, 2.5 and 2.6

DELETE: These Sections.

125-2.12 SAND

ADD: Sand for backfill around edge lights, transformers, etc shall be IDOT FA-1 or FA-2 Quality Class C. The Resident Engineer shall approve the material prior to use.

125-2.14 ADJUSTMENT RINGS

ADD: Light can adjustment rings shall be L-867 Size B and conform to FAA Advisory Circular AC 150/5345-42.

125-2.15 SPACER RINGS

ADD: Spacer rings shall be L-867 Size B and conform to FAA Advisory Circular AC 150/5345-42.

CONSTRUCTION METHODS

125-3.2 PLACING LIGHTS

ADD: The Contractor shall exercise caution in the installation and adjustment of all light units. Any units damaged by the Contractor's operations shall be repaired or replaced to the satisfaction of the Engineer at no additional cost to the contract.

125-3.3 MAINTENANCE OF AIRFIELD LIGHTING DURING CONSTRUCTION

The Contractor shall maintain lighting of the taxiways within the construction area during the various phases of the work at all times throughout the duration of the contract.

The Contractor shall be responsible for all temporary connections in the field or at the regulator necessary for operation of the circuits during construction.

The Contractor shall be responsible for covering or fully obscuring lights within closed portions of the airfield as required by the Resident Engineer or Airport. At no time shall the fixtures have the lamps removed as a means of taking the lights out of service.

125-3.4 VERTICAL LIGHT ADJUSTMENTS

ADD:

(i) General

The Contractor shall exercise care in vertical adjustment of all existing lights. Any damaged units shall be replaced with new equipment to the satisfaction of the Airport at no additional cost to the contract.

The existing lights shall be adjusted to true line and grade. The elevated lights shall be placed in a straight line to the satisfaction of the Resident Engineer and Airport Management.

The Contractor shall determine the amount of adjustment based on the proposed edge of pavement profile, the existing base elevation and the details as shown on the plans. The Contractor shall provide the Resident Engineer a table showing the existing light elevation, the proposed elevation computed based on the proposed edge of pavement profile and the computed adjustment amount. No light adjustments shall proceed until the resident engineer reviews the light adjustment calculations furnished by the Contractor. The tolerance of the light adjustment elevation shall be plus or minus one half inch of the intended plan adjustment

elevation. The plan elevation is defined as the elevation of the adjacent finished pavement elevation minus 0.625 feet.

At the discretion of the Contractor, the base mounted light adjustment may occur prior to or after the shoulder embankment material is placed. The stake mounted light adjustments shall only occur after the shoulder embankment material is in place and graded to the approximate finish shoulder elevation.

(ii) Existing Stake Mounted Light Adjustments

Existing stake-mounted edge lights shall be adjusted by excavating the existing light fixture, transformer and stake, placement of additional sand backfill material around the transformer and replacement of the existing light post and fixture at the same horizontal location but revised vertical elevation according to the proposed edge of pavement elevation. Care shall be taken to ensure the existing cable is not stretched or damaged during the adjustment process. For the adjustment to occur, the Contractor shall excavate and expose cable several feet on each side of the existing light as well as the transformer. If the existing cable is cut, stretched or damaged during the light adjustment process, new cable shall be installed from the light being adjusted to the adjacent light. **Cable splices are not permitted between light fixtures.** If the transformer is damaged during the light adjustment process, a new transformer shall be provided and installed by the Contractor. Any new cable or transformers installed for this purpose shall not be measured for payment. The sand backfill around the transformer shall be replenished while the light is adjusted.

(iii) Existing Base Mounted Light Adjustments

Prior to placing the shoulder embankment material, the top elevations of the existing light bases shall be electronically recorded. If the adjustment occurs after the shoulder material is placed, the light bases will be adjusted by excavating the existing base mounted light base, removing the existing fixture, installation of the proposed extension ring and spacers, if used, forming and placing concrete to finish the adjustment to proper grade, replacing the fixture and finish grading around the finished base mounted light adjustment. If the adjustment occurs before the shoulder material is placed, the light bases will be adjusted by removing the existing fixture, installation of the proposed extension ring and spacers, forming and placing concrete to finish the adjustment to proper grade, replacing the fixture and placing the shoulder material around the adjusted lights.

(iv) Existing Airfield Guidance Sign Adjustments

Prior to placing the shoulder embankment material, the top elevations of the existing airfield guidance sign shall be electronically recorded and the new elevation determined by the Contractor. The airfield guidance sign will be adjusted by removing the existing sign, installation of the proposed light can extension ring, spacers, and conduit extensions, placement of reinforcing steel, forming and placing concrete to finish the top of the sign base to proper grade, re-mounting the sign on the adjusted base and placing the shoulder embankment material around the adjusted sign.

METHOD OF MEASUREMENT

125-4.1 DELETE: Entire Section

ADD:

The quantity of base mounted light adjustments, stake mounted light adjustments and airfield guidance sign adjustments shall be measured by the unit completed in place, ready for operation and accepted by the Engineer.

If the adjustment method requires the Contractor to excavate and expose existing cable adjacent to the existing light, the excavation shall not be measured for payment but included in the unit cost of the light adjustment.

Sand and compaction shall not be measured for payment.

The quantity of lights covered or obscured to prevent access by taxiing aircraft to the closed work area shall not be measured for payment but shall be considered incidental to the contract.

BASIS OF PAYMENT

125-5.1 The accepted quantities of base mounted light adjustments, stake mounted light adjustments and airfield guidance sign adjustments will be paid for at the contract unit price per each complete and in place. These prices shall be full compensation for furnishing all materials and for all preparation, surveying and grade calculations, removals, excavations, assembly, and installation of these materials, and coordination with the manufacturer and for all labor, equipment, tools, and incidentals necessary to complete this item.

Payment will be made under:

Item AR125941 – Adjust Stake Mounted Light – per each
Item AS125941 – Adjust Stake Mounted Light – per each
Item AR125942 – Adjust Base Mounted Light – per each
Item AS125942 – Adjust Base Mounted Light – per each
Item AR125944 – Adjust Taxi Guidance Sign – per each
Item AS125944 – Adjust Taxi Guidance Sign – per each

ITEM AR150510 – ENGINEER’S FIELD OFFICE

Check Sheet #5

ENGINEER’S FIELD OFFICE

2.1 ADD: A phone line dedicated for access to the internet by the Engineer’s field computer shall be made available in addition to the phone lines dedicated for the telephone and facsimile machine. A total of three phone lines is required.

ADD:

2.2 In the event a sufficient number of phone lines are unavailable at the location of the Engineer’s Field Office as detailed in section 2.1, the Contractor shall supply an alternate means of access to the internet. Possible solutions used in the past are wireless network cards installed in the Engineer’s field computer or wireless phones capable of supplying access to the internet via a connection to the Engineer’s field computer. The Contractor shall determine the alternate most suitable to the needs of the Engineer and they shall agree to the final method. The internet access shall be made available for as long as the Engineer’s Field Office is on site. No extra payment shall be made to the Contractor for this service.

BASIS OF PAYMENT

3.1 Payment will be made under:

Item AR150510 – Engineer’s Field Office – per lump sum

ITEM AR152000 - EXCAVATION AND EMBANKMENT

DESCRIPTION

152-1.1 **DELETE:** The first paragraph.

ADD: This item shall consist of the following items:

- Grading and compaction of existing structural embankment material under new full depth PCC pavement replacement.
- Placement of shoulder embankment material to adjust the grade of the shoulders along the edge of the apron pavement.
- Removal of existing aggregate base course to the depth required to construct the new bituminous shoulder apron.

Grading and compaction of existing structural embankment material shall include final shaping and compacting necessary to construct the proposed pavement replacement in conformance with the lines and grades shown in the plans.

Placement of shoulder embankment material shall include final shaping, topsoiling and compacting necessary to construct the proposed shoulder embankments in conformance with the lines and grades shown in the plans.

A layer of topsoil suitable to promote the establishment of turf, at least 3-inches thick, shall top the shoulder embankments. Upon completion of the shoulder embankment formation, the Contractor shall grade all shoulder embankments to drain.

152-1.2 **CLASSIFICATION**

ADD: Shoulder embankment material to construct the proposed shoulder embankments shall consist of topsoil meeting the requirements of Item 905 or other embankment material classified as CL according to the Unified Soil Classification. The material shall be free of stumps, roots, limbs, brush, stones more than one-inch in diameter, clay lumps, debris, or other objectionable matter. The Engineer shall approve the source of the material prior to incorporating any shoulder embankment materials into the shoulder embankment.

Material excavated during the grading for the proposed PCC pavement replacement may be used for the shoulder embankment construction, provided a uniform layer of topsoil conforming to Item 905, three inches thick, is spread and compacted over the shoulder embankment.

CONSTRUCTION METHODS

152-2.2 **EXCAVATION**

ADD: Compaction control tests for aircraft weights of more than 60,000 pounds (ASTM D 1557 - Modified) shall apply for structural embankment under the proposed pavement replacement. The Contractor shall compact the embankment to a minimum of 95% theoretical maximum dry density. Moisture shall be controlled to within optimum moisture content $\pm 2\%$.

Shoulder embankments shall be compacted to the satisfaction of the Resident Engineer by a minimum of three passes with a sheepfoot or other approved roller.

152-2.3 BORROW EXCAVATION

DELETE: The first and second paragraph.

ADD: The Contractor shall notify the Resident Engineer, sufficiently in advance of hauling offsite borrow material to the project site for any embankment construction, so that necessary measurements and tests can be made.

Borrow material may not be stockpiled outside the limits of the staging and storage area without the approval of airport management.

Prior to the end of the project, excess borrow material shall be removed from the project site and hauled off of airport property.

When excavation from the borrow area(s) is finished and all the embankments have been constructed to grade, the borrow area shall be graded to drain, seeded and mulched.

152-2.5 PREPARATION OF EMBANKMENT AREA

DELETE: The third paragraph.

ADD: Prior to construction of the proposed PCC pavement replacement, the existing pavement subgrade shall be properly graded and compacted.

Prior to construction of the shoulder adjustment, the existing turf shoulder shall be thoroughly scarified and broken by a disc or other approved methods to a depth of 4 inches.

152-2.7 FORMATION OF EMBANKMENTS

ADD: Moisture and density control shall be required for the embankment under the PCC pavement replacement, as defined in Section 152-2.2. Shoulder embankments shall be compacted to the Engineer's satisfaction, as defined in Section 152-2.2.

152-2.12 TOPSOIL

DELETE: The first sentence of the first paragraph.

ADD: The Contractor shall furnish topsoil for the shoulder adjustment for this project.

152-2.14 DUST CONTROL WATERING

ADD: This work shall consist exclusively of applying water to control dust resulting from construction operations and is not intended for use in compaction of earth embankment. The Contractor shall take measures to control dust.

Dust shall be controlled by a uniform application of sprinkled water and shall be applied as directed by the Resident Engineer or Airport, in a manner meeting their approval.

METHOD OF MEASUREMENT

152-3.2, 3.3, 3.4

DELETE: These Sections.

ADD: The quantity of “Shoulder Adjustment” shall be the number of square yards of shoulder embankment in-place, conforming to the lines and grades as shown in the plans, compacted and accepted by the Resident Engineer. Measurements will **not** be made at the site of origin of the material.

ADD: Regrading and compaction of the existing embankment under the proposed PCC pavement and bituminous shoulder replacement shall be measured for payment by the cubic yards of earth excavated, conforming to the lines and grades as shown in the plans, compacted and accepted by the Resident Engineer. Measurement of any excavation removed from one area and placed in another shall not be made. The final measurement is equivalent to the difference between the before and after conditions in cut (excavation) only.

ADD: Scarification of the existing subgrade prior to placement of the embankment fill material shall not be measured for payment.

Scarification and miscellaneous earthwork for the Contractor constructed haul road to loosen and pulverize the existing subgrade material prior to restoring the existing subgrade to the pre-disturbed condition shall not be measured for payment. Restoration of Contractor haul roads as shown in the Plans shall not be measured for payment.

Miscellaneous earthwork required for the construction of the Airport Perimeter Road with the excess PCC millings shall not be measured for payment.

ADD: Dust control watering will not be measured for payment, but shall be considered incidental to the contract items for which dust control is required.

BASIS OF PAYMENT

152-4.2, 4.3, 4.4

DELETE: These sections.

ADD: Payment will be made at the contract unit price per square yard for “Shoulder Adjustment” regardless of the source location and type of material. Separate payment will not be made for topsoil versus other shoulder embankment materials.

Payment will be made at the contract unit price per cubic yard for “Unclassified Excavation” for regrading and compacting the existing subgrade under the proposed PCC pavement replacement.

These prices shall be full compensation for all scarification, excavation, removal, hauling, grading, final shaping, topsoiling, and compacting necessary to construct the proposed embankments in conformance with the lines and grades shown in the plans, and for all labor, equipment, tools and incidentals necessary to complete this item.

Payment will be made under:

Item AR152410 – Unclassified Excavation – per cubic yard

Item AR152480 – Shoulder Adjustment – per square yard

Item AS152480 – Shoulder Adjustment – per square yard

**ITEM AR156000 TEMPORARY AIR AND WATER POLLUTION,
SOIL EROSION, AND SILTATION CONTROL**

Check Sheet #8

DESCRIPTION

156-1.1 ADD: The temporary erosion control measures contained herein shall be coordinated with the permanent erosion control measures specified as part of the contract to the extent practical to assure economical, effective, and continuous erosion control throughout the construction and contract period.

Contractor's temporary control should include work outside the construction limits such as borrow pit operations, equipment and material storage sites, waste areas, and temporary plant sites.

If, upon delivery and incorporation of any materials, the Contractor has failed to provide the necessary submittals as required by Sections 30-18, 40-01, 40-03 and 40-11 of the Standard and Special Provisions, the pay items shall not be included on the Construction Progress Payment report until such submittals have been furnished.

Payment will be made under:

AR156510 – Silt Fence – per lineal foot
AS156510 – Silt Fence – per lineal foot
AR156520 – Inlet Protection – per each
AS156520 – Inlet Protection – per each

ITEM AR156513 SEPARATION FABRIC

Check Sheet #9

DESCRIPTION

156-5.1 ADD: If, upon delivery and incorporation of any materials, the Contractor has failed to provide the necessary submittals as required by Sections 30-18, 40-01, 40-03 and 40-11 of the Standard and Special Provisions, the pay item shall not be included on the Construction Progress Payment report until such submittals have been furnished.

Payment will be made under:

Item AR156513 Separation Fabric – per square yard

ITEM AR162000 CHAIN-LINK FENCES

DESCRIPTION

162-1.1 ADD: This item shall include the following items:

- Removal of existing 6 foot class E fence to facilitate paving operations;
- Relocation of existing 6 foot class E fence as temporary fence;
- Installation of new 8 foot class E fence, vinyl coated, as shown in the plan drawings at the end of paving operations;
- Removal of an existing 20 foot electric gate, operator, card readers, detector loops, and bollards;
- Installation of a new 20 foot gate, operator, card readers, detector loops, bollards and associated duct/cabling.

MATERIALS

162-2.1 FABRIC

ADD: The new fence fabric shall be black, vinyl coated to match the existing fence.

162-2.3 FENCE POSTS, POST TOPS AND EXTENSIONS, RAILS, GATES, BRACES, STRETCHERBARS, AND CLIPS

All fence posts, post tops and extensions, rails, gates, braces, stretcher bars and clips to be black, vinyl coated to match the existing fencing materials.

162-2.4 GATES

Gates shall be sliding type, complete with latches, stops, keepers, hinges, or rollers and roller tracks, and three strands of barbed wire above the fabric. Gate frames and posts shall consist of galvanized steel pipe. The fabric shall be of the same type material as used in the fence. The gates shall be to the dimensions as shown on the plans.

Automatic cantilever slide gate shall be constructed so as to extend across a 20' opening. The height of the gates shall be identical to the fence adjacent to the gate. Gates shall be "Fortress" gates, as manufactured by Tymetal Corporation, or equivalent. The sag and deflection of the slide gates shall not exceed the values presented in ASTM F 1184, Type II, Class 2.

Proper operation of the new gate operator may require the size of the automatic cantilever gate to be altered (from the nominal 20' dimension) by adding or subtracting a foot to allow proper operation of the new gate operator on the existing gate operator base. If the size of the gate is altered for this purpose, payment for the gate will be made the unit price for a 20-foot electric gate.

The automatic gates shall include 3 strands of barbed wire on the top of the gate.

The gate shall be fabricated from aluminum alloy extrusions. The gate frame shall be reinforced or post-tensioned with galvanized tubular steel running through the full length of the top and bottom primary members. The primary members shall be oversized rectangular members, top member nominally 3" by 5", bottom member nominally 2" by 5". Vertical members at the ends of the frame and at 2' centers, end to end, shall be square, not less than 1" by 1". Spacing of vertical members shall be no greater than half the height of the

gate frame. Diagonal bracing shall be installed to further stabilize the gate frame. Gate frames shall be modular sections.

The gate frame shall have a separate semi-enclosed top track of extruded aluminum alloy, which becomes an integral part of, and forms a composite structure with the top of the gate frame. This gate frame shall be supported by two self-aligning, 4-wheel, sealed lubricant, ball bearing truck assemblies riding in the semi-enclosed track. The bottom of the support posts shall be equipped with two pairs of rubber guide wheels.

The automatic slide gates shall be equipped with a standard latch assembly consisting of post mount catcher and a frame-mounted yoke. A mating eyelet on the catcher yoke and the frame yoke intended for a padlock to secure the gate shall be included.

The rear of the gate shall be supported in the open position.

The Contractor shall furnish and install electric chain drive gate operator, Liftmaster SL-580, ¾ HP, 208V, as manufactured by Sentex Systems, 9800 De Soto Ave., Chatsworth, CA (Tel: 818.700.9800), or equivalent, as detailed on the plans and specified herein, or equivalent

The electric gate operator shall be suitable for ground mounting, and shall include an operator concrete foundation. Electric gate operators shall be suitable for outdoor use and enclosed in a weatherproof housing. Heating equipment shall be provided if recommended by the manufacturer. Operators shall be equipped with a heavy duty reversing contact, magnetic brake, adjustable clutch, emergency disconnect, full driven, limit switches, completely prewired and factory tested. Operator shall be equipped with pressure sensitive controller to reverse the gate operation if an obstruction is encountered. The operator shall be provided with an early alert audible signal broadcasting an audible alert while the gate is opening or closing.

The operators shall be operable with detector loops, card readers, and radio controllers as required and detailed on the plans. All equipment shall be as recommended by the manufacturer and shall be suitable for outside use.

Card readers shall be Wiegand proximity type capable of reading existing cards at up to 8" distance from the reader. Card readers shall be HID Proxpro 5355 to match existing equipment, or equivalent.

Detector Loop and Detectors: Detector loop size, location, sawing method, sealant type and number of loops shall be as recommended by the manufacturer. The detector shall have adjustable sensitivity and be housed in the operator housing. One detector loop shall be required on the "landside" of the gate; two detector loops shall be required on the "airside" of the gate.

Radio Transmitter and Receiver: Gate operators shall be operated by radio controllers. Receiver shall be a 2-CH Gate Receiver by Linear, model No. 203102 in order to make the operator compatible with existing transmitters, or equivalent. Existing transmitters are Linear Model No. 105015. All radio control equipment shall include circuitry to prevent phantom operation. Radio receivers shall be mounted in the operator housing. Supply ten (10) spare transmitters, Linear Model No 105015 or equivalent.

Gate Operation: The gate shall be opened on either side by use of a new card reader with a vehicle simultaneously on the detector loop, by passing over the detector loop furthest from the gate on the airside of the gate, or by a signal from a remote radio transmitter. After a time delay (adjustable, 3-90 seconds), the gate will close. A third detector loop placed on the secure side of the fence will be used as an automatic open when a vehicle passes over the loop. No card read will be necessary to activate this loop.

Gate operator wiring shall be as manufactured by Sentex Systems, or equivalent. Gate operator manufacturer shall supply all accessory equipment, including card readers and radio controllers.

Bollards shall be installed around all card readers as shown in the plans.

162-2.6 MISCELLANEOUS FITTINGS AND HARDWARE

Miscellaneous steel fittings and hardware for use with zinc coated, aluminum-coated or zinc-5% aluminum mischmetal alloy-coated steel fabric shall be of commercial grade steel or better quality, wrought or cast as appropriate to the article, and sufficient in strength to provide a balanced design when used in conjunction with fabric posts, and wires of the quality specified herein. All steel fittings and hardware shall be protected with a zinc coating applied in conformance with ASTM A 153. Barbed wire support arms shall withstand a load of 250 pounds applied vertically to the outermost end of the arm.

CONSTRUCTION METHODS

162-3.1 GENERAL

ADD: The Contractor shall remove the existing fence at the locations shown or as directed by the Resident Engineer. The existing fence shall be used as temporary construction fence, relocated 10 feet from the existing fenceline or as directed by the Resident Engineer. The temporary construction fence shall be a minimum of 6 feet tall and have three strands of barbed wire.

Any additional material required for the temporary construction fence shall be considered incidental to the temporary construction fence installation. Materials used for the temporary construction fence shall not be used in the erection of the permanent fence.

At the completion of paving operations requiring relocation of the existing fence, new 8 foot Class E fence, black vinyl coated, shall be installed, and the temporary construction fence shall be removed and chain link fabric delivered to Airport Maintenance. Barbed wire and incidentals shall be disposed of offsite.

At no time shall there be an unguarded opening in the Airport perimeter fence.

Fence and gate installation shall meet all of the applicable requirements of the standard details shown in the plans or as directed by the Engineer. Contractor shall clear the alignment as necessary to install the new fence.

Existing outlets hung on or passing through the fence shall be disconnected, temporarily supported, and then resupported on the new fence after final erection. The Contractor shall consult a licensed electrician to complete this work.

162-3.3 INSTALLING POSTS

All posts for the permanent fence installation shall be set in concrete at the required dimension and depth and at the spacing shown on the plans. Temporary construction fence posts required in existing concrete or bituminous pavement shall be firmly anchored to the pavement by a method determined by the Contractor and approved by the Resident Engineer.

All concrete shall be thoroughly compacted around the posts by tamping or vibrating and shall have a smooth finish slightly higher than the ground and sloped to drain away from the posts. All posts shall be set plumb and to the required grade and alignment. No materials

shall be installed on the posts, nor shall the posts be disturbed in any manner within 7 days after the individual post footing is completed.

In lieu of drilling, the rock may be excavated to the required footing depth. No extra compensation shall be made for rock excavation.

The majority of posts will be installed in turf. In the terminal area, some posts for new fence installation shall be installed through existing concrete pavement according to the detail on the plans. The Contractor shall visit the site to determine the existing conditions and the quantity of fence posts that will be required to be installed in existing pavement.

162-3.4 INSTALLING TOP RAILS

The top rail shall be continuous and shall pass through the post tops. The coupling used to join the top rail lengths shall allow for expansion.

162-3.5 INSTALLING BRACES

Horizontal brace rails, with diagonal truss rods and turnbuckles, shall be installed at all terminal posts.

162-3.6 INSTALLING FABRIC

The wire fabric shall be firmly attached to the posts and braced in the manner shown on the plans. All wire shall be stretched taut and shall be installed to the required elevations. The fence shall generally follow the contour of the ground, with the bottom of the fence fabric no less than 1 inch or more than 4 inches from the ground surface. Grading shall be performed where necessary to provide a neat appearance.

At locations of small natural swales or drainage ditches and where it is not practical to have the fence conform to the general contour of the ground surface, longer posts may be used and multiple strands of barbed wire stretched thereon to span the opening below the fence. The vertical clearance between strands of barbed wire shall be 6 inches (150 mm) or less.

162-3.7 INSTALLING GATES

ADD: The Contractor shall install the proposed gate at the location shown in the plans or as required by the Airport. Gate shall be installed to conform to manufacturer's recommendation and details shown in the plans.

The Contractor shall be responsible for entirely removing the existing gate, gateposts, operator and other miscellaneous hardware. The materials shall become the property of the Contractor and removed offsite; however the owner may elect to retain the gate operator and card readers. Removed posts shall be cut off flush with the top the existing pavement and the holes filled with non-shrink grout.

The Contractor shall install new gates and adjacent fence to the satisfaction of the owner. Prior to preparing a bid, the Contractor shall visit the site and inspect the new gate location. The Contractor shall resolve any questions and discrepancies with materials or installation with the owner prior to submitting a bid. The Contractor shall order the operators to be compatible with the existing power source. The bid price shall include cost to extend the existing gate power and gate control as necessary, including conduit, wiring, pavement removal and replacement, and saw cutting required from the existing gate operator power and card reader/keypad/intercom locations to the new gate operator and card reader/intercom locations.

Three detector loops are required on each gate: two on the airside and one on the landside. The loop system control shall be as described under 162-2.4 above. Loops shall be installed per gate operator manufacturer's instructions in new or existing saw kerfs as permitted by gate operator manufacturer and resident engineer. The Contractor shall remove the existing loop prior to installing the new loop. The existing loop may not be re-used.

Gate installation shall include erection of the posts, fence, gate, gate operator and controllers, all loops and associated wiring, underground conduit, control wiring and provisions for power, card reader/intercom installation and associated wiring and remote control operation required to provide a complete operating installation satisfactory to the owner.

Reconnaissance and field investigative work to understand the existing power and control of the existing electrical components and wiring shall be included in the work at no additional cost to the owner.

The gate and installation shall conform to ASTM F 1184 standards for aluminum cantilever slide gates, Type II, Class 2.

162-3.12 BARBED WIRE

Three strands of barbed wire shall be installed above all fence and gates and secured to the posts.

162-3.13 ELECTRICAL GROUNDS

Electrical grounds shall be accomplished with a copper clad rod 8 feet (240 cm) long and a minimum of 5/8 inch (15 mm) in diameter driven vertically until the top is 6 inches (150 mm) below the surface. A No. 6 solid copper conductor shall be clamped to the rod and to the fence in such a manner that each element of the fence is grounded. Installation of ground rods shall be considered incidental to fence and automatic gate operator construction.

162-3.15 FENCE REMOVAL

The work shall consist of the removal and disposal of the existing 6 foot Class E airport security perimeter fence. The fence shall be completely removed including fabric, fence posts and concrete foundations. The removal material shall become the property of the Airport and delivered to a location specified by the Airport Maintenance and Operations staff.

The fence posts in turf shall be pulled, and not cut off.

All holes shall be filled and compacted with material generated as a part of the holes for the new fence post excavation. If additional borrow material is required, the airport will designate a borrow location on airport property. At the Contractor's option, offsite borrow material may be supplied at no additional cost to the owner.

Existing posts located in concrete or asphalt shall be cut off flush with the pavement surface and filled with a non-shrink grout material.

The fence removal shall include removal of all gates present in the fence line. Payment for removal of the gates shall be measured by the unit removed for each given length of gate.

All gates shall be removed and turned over to the Airport at a location on Airport property. The automatic gate and operator removed shall be removed by the Contractor, preserved and protected from damage and turned over to the airport for storage and future use. The Contractor shall use caution and care in the removal of the gate and operator to preserve its condition for future use.

Removal of the existing chain link fence includes removal of all fence posts. No distinction of post diameter will be made for payment purposes. The Contractor shall examine the site prior to submitting a proposal.

162-3.16 SECURITY AND MAINTAINING THE EXISTING AIRPORT PERIMETER FENCE LINE

The Contractor shall maintain airport security as presented in Section 60-15 or as directed by the airport manager.

162-3.17 FENCE LINE LOCATION

The new fence shall be offset two feet from the existing fence line as shown in the plans unless otherwise directed by the owner. At the Contractor's option, the new fence may be installed on the existing fence line provided the airport security requirements as presented in Section 60-15 are met.

162-3.18 EXISTING WARNING SIGNS

The Contractor shall be responsible for removing the existing warning and information signs located on the existing fence. The existing warning and information signs shall be reused at the Airport's option. The Contractor shall remount the existing signs at the direction of the Resident Engineer / Airport.

162-3.19 CONTRACTOR'S RESPONSIBILITY FOR UTILITY LOCATING

The location of known underground utilities is presented on the plans.

It shall be the Contractor's responsibility to determine the actual location of all utilities, including service connections to underground utilities. Prior to construction, the Contractor shall contact JULIE, FAA and airport maintenance. Prior to construction, the Contractor shall notify all utility companies of his operational plans. The Contractor shall make arrangements for detailed information and assistance in locating utilities. In the event an unexpected utility interference is encountered during construction, the Contractor shall immediately notify the utility company, the Owner and the Resident Engineer. Any such mains and/or services disturbed by the Contractor's operations shall be restored immediately at his expense to the satisfaction of the Owner and the Engineer.

The Contractor shall be responsible for keeping the owner advised of this plan of operations. Prior to commencing work in the general vicinity of an existing utility service or facility, the Contractor shall notify the owner of his plan of operation.

162-3.20 INSTALLING FENCE POSTS IN PAVEMENT

Where new fence will be installed across existing pavement, the fence posts will be installed in holes cored through the existing pavement. The diameter of the core hole shall be a minimum of 4 inches larger than the fence post diameter. The existing pavement to be drilled through consists of PCC or bituminous pavement as shown in the plan drawings.

Fence posts required for erection of the Temporary Construction Fence shall be firmly secured to the pavement. The Contractor shall not be required to core holes into the pavement for temporary fence posts, but shall determine a method suitable to firmly secure the fence posts to the pavement in a manner approved by the Resident Engineer and Airport. Anchor holes or other damage to the existing pavement as a result of the temporary fence erection shall be restored by filling the holes with non-shrink grout after the temporary fence is removed and shall be considered incidental to the temporary fence construction.

METHOD OF MEASUREMENT

ADD:

162-4.2 The length of fence removal shall be measured in the preexisting condition prior to the removal and use of any existing fencing materials as temporary construction fence. The length of gates shall not be measured.

The length of temporary construction fence shall be measured from where the temporary construction fence connects to the existing fence. Temporary construction fence removal shall not be measured for payment and shall be considered incidental to the temporary construction fence.

The number of 20' Electric Gates removed shall be counted as the number of gates removed, including the operator, card readers, keypad, bollards, and detector loops. Separate payment shall not be made for each appurtenance removed.

The number of 20' Electric Gates shall be counted as the number of 20' gates installed, including the operator, operator foundation, card reader, bollards, detector loops, proximity cards, conduit, wiring and remote radio controlled openers. Separate payment shall not be made for each appurtenance installed.

The labor or materials used to disconnect, temporarily support and resupport the existing electrical outlets on the fence shall not be measured for payment, but shall be considered incidental to the fencing items.

BASIS OF PAYMENT

ADD:

162-5.2 Payment shall be made at the contract unit price per linear foot for Class E Fence, Vinyl-8' with 3 strands of barbed wire. This price shall be full compensation for furnishing all materials and for all preparation, erection and installation of these materials and for all labor, equipment, tools, and incidentals necessary to complete the item.

Payment shall be made at the contract unit price per linear foot for Class E Fence removal and at the contract unit price per each for Remove Electric Gate. This price shall be full compensation for furnishing all labor, equipment, tools, and incidentals necessary to complete the item.

Payment shall be made at the contract unit price per each for Electrical Gate – 20'. This price shall be full compensation for furnishing all materials and for all preparation, erection and installation of these materials and for all labor, equipment, tools, and incidentals necessary to complete the item.

Payment shall be made at the contract unit price per lineal foot for Temporary Construction Fence. This price shall be full compensation for furnishing all materials and for all preparation, erection and installation of these materials and for all labor, equipment, tools, and incidentals necessary to complete the item.

Extra fencing material not available from the fencing removal required to construct the temporary fence in the location shown in the plan drawings or as directed by the Resident Engineer shall not be paid for separately, but shall be considered incidental to the Temporary Construction Fence.

Temporary construction fence removal shall not be measured for payment and shall be considered incidental to the temporary fence.

No payment shall be made for disconnecting, temporarily supporting and resupporting the existing electrical outlets on the new fence. The cost to complete this work shall be considered incidental to the various fencing items.

If, upon delivery and incorporation of any materials the Contractor has failed to provide the necessary submittals as required by Sections 30-18, 40-01, 40-03 and 40-11 of the Standard and Special Provisions, the pay item shall not be included on the CPP until such submittals have been furnished.

Payment will be made under:

- Item AR162408 – Class E Fence, Vinyl-8’ – per lineal foot**
- Item AR162720 – Electric Gate-20’ – per each**
- Item AR162900 – Remove Class E Fence – per lineal foot**
- Item AR162908 – Remove Electric Gate – per each**
- Item AR163000 – Temporary Construction Fence – per lineal foot**

ITEM AR201003 - BITUMINOUS BASE COURSE – METHOD I, SUPERPAVE
(Central Plant Hot Mix)

Check Sheet #13

DESCRIPTION

201-1.1 ADD: Maximum lift thickness of the bituminous base course shall be 3 inches.

Bituminous base course shall be used to construct the following items:

- Construction of the base course of the bituminous overlay on Taxiway A7

201-3.2 JOB MIX FORMULA (JMF)

REVISE: Table 2 to read as follows:

TABLE 2 SUPERPAVE DESIGN CRITERIA	
	Over 60,000 lbs. / Runway or Taxiway [1]
N _{ini} [2]	5
N _{des} [3]	40
N _{max}	58
Percent Air Voids, V _a	2.0 – 4.0
Voids Filled with Asphalt, min (%)	75 – 90

[1] Stone sand (IDOT Gradation FA20 or FA21) shall be required as part of the fine aggregate portion of the Job Mix Formula. The exact amount of stone sand will be determined by the Engineer based on preparation of the Mix Design.

[2] Where N= number of gyrations on an IDOT approved Superpave gyratory compactor.

[3] The Ndes value may be changed in order to obtain an acceptable mix design when approved by the Engineer.

201-4.9 TRANSPORTING, SPREADING AND FINISHING

ADD: Guide wires shall be used for placement of the base course until grade is established.

201-4.11 JOINTS

ADD: After the second paragraph:

If at any time during the surface course paving operations it becomes necessary to end a paving lane at a location other than the proposed finished pavement edge because of ending a day's paving, machinery breakdown, etc., the lane end will be sawed back a sufficient distance to provide a smooth, neat appearing joint from which to resume paving. The sawed face will be painted with a liquid asphalt and this work shall be considered incidental to Item 401, Bituminous Surface Course, and no additional compensation will be allowed.

201-4.12 SHAPING EDGES

ADD: The following as the second paragraph for this section.

All pavement edges including the pavement ends must be left in proper alignment as shown on the plans. This may be accomplished by a trimming method or, at the Contractor's option, by sawing after the paving has been completed. No additional compensation will be made if the sawing method is used.

METHOD OF MEASUREMENT

201-5.2 ADD:

Measurement for payment will not be made for any bituminous concrete mixture in excess of 103 percent of the quantity specified by the Engineer. Should the plan quantity be disputed, the Engineer shall supply the Contractor with his quantity calculations used in determining the final payment quantity for this item.

BASIS OF PAYMENT

201-6.1 BASIS OF PAYMENT

ADD:

If, upon delivery and incorporation of any materials the Contractor has failed to provide the necessary submittals as required by Sections 30-18, 40-01, 40-03 and 40-11 of the Standard and Special Provisions, the pay item shall not be included on the CPP until such submittals have been furnished.

Payment will be made under:

Item AR201610 – Bituminous Base Course – per ton
Item AS201610 – Bituminous Base Course – per ton

ITEM AR201661 – CLEAN AND SEAL BITUMINOUS CRACKS

CHECK SHEET #15

DESCRIPTION

201-1.1 This item shall consist of cleaning, routing, and sealing cracks in existing bituminous pavements as designated by the Resident Engineer. This work shall include the proper routing and/or cleaning of all cracks to be sealed and furnishing and installing hot pour crack sealer in accordance with these specifications. Wherever the word “cracks” is used, it shall be construed to mean cracks to be sealed.

MATERIALS

201-2.3 BACKER ROD

DELETE: This paragraph.

METHOD OF MEASUREMENT

201-5.1 The linear feet of cleaning and sealing of cracks to be paid for shall be the number of linear feet of each crack or joint routed, cleaned, sealed and accepted as complete. Measurement of linear feet of crack cleaning and sealing for payment shall be to the nearest foot.

BASIS OF PAYMENT

201-6.1 This item will be paid for at the contract unit price per linear foot of cleaning and sealing cracks in the pavement, complete; which price and payment shall constitute full compensation for all routing, cleaning, preparation and disposal of all loose materials; and for all materials, labor, equipment, tools and incidentals necessary to complete this item.

Payment will be made under:

Item AR201661 – Clean & Seal Bituminous Cracks – per linear foot
Item AS201661 – Clean & Seal Bituminous Cracks – per linear foot

ITEM AR209510 - CRUSHED AGGREGATE BASE COURSE

MATERIALS

209-2.1 ADD: Gradation B shall be used. Class D quality or better shall be used.

CONSTRUCTION METHODS

209-3.6 FINISHING AND COMPACTING

ADD after the first paragraph:

ASTM D1557 shall apply.

BASIS OF PAYMENT

209-5.1 DELETE: The first sentence.

ADD: Payment will be made at the contract unit price per square yard for crushed aggregate base course, 8-inch depth. This price shall be full compensation for all mobilization, labor, equipment, tools and incidentals necessary to complete the item. In areas where the base course is thickened as shown in the plans shall be considered as 8" Crushed Aggregate Base Course.

Payment will be made under:

Item AR209608 – Crushed Aggregate Base Course – 8" – per square yard

ITEM AR302900 – REMOVE ASPHALT TREATED PERMEABLE SUBBASE

Check Sheet #18

DESCRIPTION

- 1.1 ADD: This item shall consist of removing existing Asphalt Treated Permeable Subbase of the thickness and limits as shown in the Plans.

CONSTRUCTION METHODS

ADD:

3.14 REMOVAL

Areas to be removed will be delineated by the Contractor. Limits of removal shall be verified by the Engineer prior to start of removal operations. Any areas of pavement removed outside the limits approved by the Engineer shall be done entirely at the Contractor's expense.

The Contractor shall make straight cuts around the perimeter of the removal with an approved power saw, full depth of the pavement and at the location shown in the plans before proceeding with the actual removal operations.

Extreme care shall be taken to not damage existing pavement to remain in place, structures around or within the pavement or the terminal building. Equipment and methods used for removing pavement shall be as such to prevent cracking or other damage to the adjacent pavement or the aforementioned structures. Should the remaining pavement or structures be damaged by his operations, the Contractor shall immediately change equipment and/or methods to prevent damage to any more pavement or structures and the damaged pavement or structures shall be repaired at the Contractor's expense.

Care shall be taken when removing pavement to avoid damaging conduit, wiring, lighting units and other airfield appurtenances which are to remain in place or be reinstalled/restored.

The material removed shall be disposed of off Airport property.

The Contractor shall provide hauling equipment similar to the type used to transport waste materials on public roads. The hauling equipment shall be equipped with covers adequate to prevent any spillage of waste material on the pavement. Using airfield pavements as haul roads is prohibited unless approved by the Engineer and the Airport. All surfaces used in hauling waste material shall be kept clean.

METHOD OF MEASUREMENT

- 4.2 ADD: The quantity of removal of asphalt treated permeable subbase to be paid for shall be the number of square yards of asphalt treated permeable subbase removed and disposed of offsite as measured in place prior to removal, to the specified depth, completed and accepted.

BASIS OF PAYMENT

5.1 BASIS OF PAYMENT

ADD: Payment shall be made at the contract unit price per square yard for Remove 4" ATPS. This price shall be full compensation for furnishing all labor, materials, equipment, and disposal costs necessary to complete this item.

Payment will be made under:

Item AR302900 – Remove 4" ATPS – per square yard

ITEM AR401003 - BITUMINOUS SURFACE COURSE – METHOD I, SUPERPAVE
(Central Plant Hot Mix)

Check Sheet #21

DESCRIPTION

401-1.1 ADD: Maximum lift thickness of the bituminous surface course shall be 2 inches.

Bituminous surface course shall be used to construct the following items:

- Transitions from the new pavement elevation to the existing pavement elevations at the project limits
- Butt joint construction
- Construction of the new bituminous shoulder adjacent to the Air Carrier Apron
- Construction of the surface of the bituminous overlay on Taxiway A7

401-3.2 JOB MIX FORMULA (JMF)

REVISE: Table 2 to read as follows:

TABLE 2 SUPERPAVE DESIGN CRITERIA	
	Over 60,000 lbs. / Runway or Taxiway [1]
N _{ini} [2]	5
N _{des} [3]	40
N _{max}	58
Percent Air Voids, V _a	2.0 – 4.0
Voids Filled with Asphalt, min (%)	75 – 90

[1] Stone sand (IDOT Gradation FA20 or FA21) shall be required as part of the fine aggregate portion of the Job Mix Formula. The exact amount of stone sand will be determined by the Engineer based on preparation of the Mix Design.

[2] Where N= number of gyrations on an IDOT approved Superpave gyratory compactor.

[3] The N_{des} value may be changed in order to obtain an acceptable mix design when approved by the Engineer.

401-4.9 TRANSPORTING, SPREADING AND FINISHING

ADD: Guide wires shall be used for placement of the surface course until grade is established as specified in Article 201-4.9.

401-4.11 JOINTS

ADD: After the second paragraph:

If at any time during the surface course paving operations it becomes necessary to end a paving lane at a location other than the proposed finished pavement edge because of ending a day's paving, machinery breakdown, etc., the lane end will be sawed back a sufficient distance to provide a smooth, neat appearing joint from which to resume paving. The sawed

face will be painted with a liquid asphalt and this work shall be considered incidental to Item 401, Bituminous Surface Course, and no additional compensation will be allowed.

401-4.12 SHAPING EDGES

ADD: The following as the second paragraph for this section.

All pavement edges including the pavement ends must be left in proper alignment as shown on the plans. This may be accomplished by a trimming method or, at the Contractor's option, by sawing after the paving has been completed. No additional compensation will be made if the sawing method is used.

METHOD OF MEASUREMENT

401-5.2 ADD:

Measurement for payment will not be made for any bituminous concrete mixture in excess of 103 percent of the quantity specified by the Engineer. Should the plan quantity be disputed, the Engineer shall supply the Contractor with his quantity calculations used in determining the final payment quantity for this item.

BASIS OF PAYMENT

401-6.1 BASIS OF PAYMENT

ADD:

If, upon delivery and incorporation of any materials the Contractor has failed to provide the necessary submittals as required by Sections 30-18, 40-01, 40-03 and 40-11 of the Standard and Special Provisions, the pay item shall not be included on the CPP until such submittals have been furnished.

Payment will be made under:

Item AR401610 – Bituminous Surface Course – per ton
Item AS401610 – Bituminous Surface Course – per ton

ITEM AR401655 – BUTT JOINT CONSTRUCTION

Check Sheet #25

DESCRIPTION

1.1 ADD:

This item shall consist of milling the existing pavement to construct butt joints for the bituminous transitions from the proposed PCC overlay to existing pavement elevation.

CONSTRUCTION METHODS

3.1 ADD:

All butt joint construction shall be constructed to the dimensions shown in the plan drawings or as directed by the Resident Engineer.

The Contractor shall be allowed to use the millings for use in constructing and repairing the haul road to suit his needs. In the event there are excess millings, the Contractor may dispose of the millings on Airport property at the location shown in the drawings.

METHOD OF MEASUREMENT

4.1 ADD: Mobilization will not be measured for payment.

BASIS OF PAYMENT

5.1 Payment shall be made at the contract unit price for butt joint construction per square yard. These prices shall be full compensation for all mobilization, labor, equipment, tools and incidentals necessary to complete the item.

Payment will be made under:

Item AR401655 – Butt Joint Construction – per square yard
Item AS401655 – Butt Joint Construction – per square yard

ITEM AR401900 – REMOVE BITUMINOUS PAVEMENT

Check Sheet #26

DESCRIPTION

- 1.1 This item of work shall consist of removing bituminous pavement structure as described herein.

The Contractor shall remove bituminous concrete of the thickness shown in the plans.

Typical construction details are shown in the plans. Exact locations of bituminous pavement removal shall be determined by the Contractor and verified by the Resident Engineer before removal operations begin.

Removal may be accomplished by milling at the Contractor's option. Any damage to pavement to remain shall be repaired at the Contractor's expense to the satisfaction of the Engineer.

BASIS OF PAYMENT

- 5.1 The accepted quantities of bituminous pavement removal will be paid at the contract unit price per square yard, which price and payment shall be full compensation for furnishing all materials, equipment, labor, hauling, disposal and all other incidental items necessary to complete the work to the satisfaction of the Engineer.

Payment will be made under:

Item AR401900 – Remove Bituminous Pavement – per square yard
Item AS401900 – Remove Bituminous Pavement – per square yard

ITEM AR501001 – PORTLAND CEMENT CONCRETE PAVEMENT – METHOD I
(Less than or equal to 1,500 cubic yards)

Check Sheet #27

DESCRIPTION

501-1.1 GENERAL

ADD: Slip-form paving will not be allowed on this project. All references to slip-form paving shall be ignored.

MATERIALS

501-2.9 COVER MATERIAL FOR CURING

(a) ADD: Add after Type 2: White Pigmented.

DELETE: (b), (c) & (d).

501-2.12 BASE MATERIAL FOR SIDEWALK CONSTRUCTION

ADD: Base material used for sidewalk construction shall conform to Item AR209. Gradation shall be IDOT CA-10, Class C.

CONSTRUCTION METHODS

501-3.1(d) CONCRETE SAW

ADD: Only self-propelled, water cooled and lubricated saws with diamond blades shall be used on this project. No dry sawing will be allowed.

501-3.1(f) SLIP-FORM PAVERS

DELETE: This Section.

ADD: Slip-form paving will not be allowed on this project.

501-3.1(g) DRILLING MACHINE

The machine used for drilling the holes for dowel bars in the face of the pavement shall be capable of drilling the size and depth of holes as shown on the plans. A drill support system using the pavement surface as a reference shall be required to assure hole alignment at the specified depth of the PCC pavement. Hand-held tools will not be allowed.

501-3.2 FORM SETTING

ADD: No formed areas shall be poured until the Resident Engineer has checked and accepted the form work for both alignment and elevation.

501-3.3 CONDITIONING OF UNDERLYING COURSE, SLIP-FORM CONSTRUCTION

DELETE: This section.

ADD: Slip-form paving will not be allowed on this project.

501-3.6(a) PROPORTIONS

DELETE: This section.

501-3.6(b) PROPORTIONS

ADD: For the test batch, beams shall be made for testing at 21 days in addition to 3, 7, 14 and 28 days.

501-3.10 PLACING CONCRETE

ADD: Hauling equipment or other mechanical equipment may be permitted on adjoining previously constructed pavement when the concrete strength reaches a compressive strength of 3,500 psi or a flexural strength of 550 psi based on field cured specimens. Subgrade and subbase planers, concrete pavers and concrete finishing equipment may be permitted to ride on the edges of previously constructed pavement when concrete has attained a minimum compressive strength of 3,000 psi or a flexural strength of 400 psi.

(a) Side-Form Method

DELETE: The third paragraph.

ADD: When concrete is to be placed adjoining a previously constructed lane of pavement and when mechanical equipment will be operated upon the existing lane of pavement, the concrete shall have a minimum compressive strength of 3,500 psi. If only finishing equipment is carried on the existing lane, paving in adjoining lanes may be permitted after 3 days, if approved by the Engineer. The Engineer's decision pertaining to the classification of the equipment will be final.

(b) Slip-Form Method

DELETE: This section.

ADD: Slip-form paving will not be allowed on this project.

501-3.12 JOINTS

DELETE: All references to "dowel bar placement by a mechanical device."

ADD: Mechanical dowel bar placers shall not be used.

501-3.12(a)(1) LONGITUDINAL AND TRANSVERSE JOINTS

ADD: New pavement slabs that are broken or contain random cracks shall be removed and replaced at the Contractor's expense. Removal of partial slabs is not permitted. Panel removal and replacement shall be full depth, shall be full width of the slab and the limits of removal shall be perpendicular to the paving lane and to each original transverse joint. Removal and replacement methods shall be approved by the Engineer prior to initiation of the repairs.

501-3.12(b) INSTALLATION

ADD: All joints shall be sawcut. Only self-propelled diamond blade saws with water cooling shall be used on this project. No dry sawing or inserts will be allowed.

Joints shall consist of one continuous sawcut for the width of the slab. Span saws with multiple blades will be allowed.

After each joint is sawed, the sawcut and the adjacent concrete surface shall be thoroughly cleaned to remove all extraneous material including slurry.

501-3.12(c)(4) DOWELED

ADD: Dowel bar drilling may be started at the Contractor's discretion provided that the operation does not cause any excessive or unacceptable raveling or damage to the pavement. The Resident Engineer may suspend drilling operations at any time that unacceptable results are being produced.

Dowel holes shall be drilled at the specified depth of the existing pavement, parallel to the grade and perpendicular to the centerline of the pavement with a tolerance of 1/8-inch. The drilling operation shall not crack or excessively spall the pavement.

Immediately prior to installing the dowel bars, the dowel holes shall be thoroughly cleaned of drilling debris. Dust and debris shall be blown from the joint or crack with a power brush/blower or with compressed air. If compressed air is used, the pneumatic tool lubricator must be bypassed and a filter installed on the discharge valve to keep water and oil out of the lines. The dowel bars shall be clean and free from rust.

The adhesive shall be of a consistency such that the dowel may be easily inserted into the hole, with adhesive flow completely surrounding the dowel, and without appreciable runout of adhesive after the dowel is fully inserted. (The consistency of the adhesive should be thicker than the consistency recommended by the manufacturer's directions.) The adhesive shall be injected or rodded to the back of the dowel hole to eliminate air pockets prior to inserting the dowel. The dowel shall not be used to push the adhesive to the back of the hole. The quantity of adhesive used shall be such that the adhesive is dispersed along the entire length of the dowel and voids are completely filled. After the adhesive has been positioned at the back of the hole, the dowel shall be fully inserted, using a back-and-forth twisting motion, leaving half of the dowel exposed. If it is necessary to use a hammer to aid in seating the dowel, the exposed end of the dowel shall be protected with a wood block.

501-3.14 SURFACE TEXTURE

ADD: The surface of the pavement shall be finished with a burlap drag.

501-3.16 SURFACE TEST

ADD: The Contractor shall furnish the Engineer with the size and type of straightedge required to check the pavement components as directed in the various sections of these specifications.

501-3.17 CURING

(a) Impervious Membrane Method shall be utilized for this project.

ADD: For slip-form paving, the approved curing media shall be applied uniformly to all surfaces of the pavement, including exposed edges. Membrane curing compounds shall be applied on all concrete surfaces from a suitable self-propelled mechanical application device, which bridges the fresh concrete, designed to provide a uniform application. Other curing systems will not be permitted.

Care shall be taken when this method of curing is used. Should conditions prevail such that curing material is being blown toward buildings or aircraft, appropriate measures shall be

taken to eliminate the problems as directed by the Resident Engineer. The curing membrane shall be sprayed as soon as possible without damage to the pavement surface. Excessive delays in application of the membrane resulting in shrinkage cracking will be cause for rejection of the affected pavement necessitating removal.

501-3.21 OPENING TO TRAFFIC

DELETE: This section.

ADD: The Resident Engineer shall decide when the pavement shall be opened to vehicle and aircraft traffic. The pavement may be opened to light vehicles when test specimens molded and cured in accordance with ASTM C31 have attained a compressive strength of 3,000 psi or 400 psi in flexural. All other vehicles and aircraft shall not be allowed on the pavement until test specimens molded and cured in accordance with ASTM C31 have attained a flexural strength of 650 psi.

The pavement shall be opened to construction traffic in accordance with Section 501-3.10.

Prior to opening, the pavement shall be cleaned of all deleterious material. Sweeping shall be conducted in such a manner that dust will not affect operations at the airport.

501-3.23 TEST SECTION FOR SLIP-FORM PAVERS

DELETE: This section.

ADD: Slip-form paving will not be allowed on this project.

501-3.24 GRADE CONTROL FOR SLIP-FORM PAVERS

DELETE: This section.

ADD: Slip-form paving will not be allowed on this project.

501-3.25 PROTECTION OF PAVEMENT AGAINST RAIN

In order that the concrete may be properly protected against the effects of rain before the concrete is sufficiently hardened, the Contractor will be required to have available at all times materials for the protection of the edges and surface of the unhardened concrete. Such protective materials shall consist of standard metal forms or wood plank having a nominal thickness of not less than 2 inches and a nominal width of not less than the thickness of the pavement at its edge for the protection of the pavement edges, and covering material such as curing paper or polyethylene sheeting material for the protection of the surface of the pavement. The metal forms, wood planks and curing paper shall be kept on trucks or towable vehicles, within reasonable hauling distance, at a site shown on the plans, or as designated by the Resident Engineer.

As an alternate, rolled polyethylene sheeting of sufficient length and width may be used without the temporary side forms and if properly anchored, to cover the plastic concrete slab and exposed edge. The sheeting may be mounted on either the paver or a separate movable bridge from which it can be unrolled without dragging over the plastic concrete surface.

When rain appears imminent, all paving operations shall stop and all available personnel shall begin covering the surface of the unhardened concrete with the protective covering.

METHOD OF MEASUREMENT

ADD:

501-4.2 Sidewalk ramps, detectable warning markers, and thickened sidewalk sections adjacent to building doorways shall be considered incidental to the 4" PCC Sidewalk construction and shall be measured for payment as 4" PCC Sidewalk, per square yard.

BASIS OF PAYMENT

501-5.1 GENERAL

ADD: Payment will be made at the contract unit price per square yard for liquid bond breaker. This price shall be full compensation for furnishing all materials, equipment, and labor necessary to complete this item.

501-5.2 Payment will be made under:

Item AR501508 – 8" PCC Pavement – per square yard
Item AR501530 – PCC Test Batch – per each
Item AR501604 – 4" PCC Sidewalk – per square foot

ITEM AR501900 – REMOVE PCC PAVEMENT

Check Sheet #33

DESCRIPTION

1.1 ADD: The Contractor shall remove the pavement of the thickness shown in the plans.

CONSTRUCTION METHODS

3.1 DELETE: Paragraphs one, two and three.

ADD: The use of a guillotine or drop hammer type breakers shall not be allowed due to the close proximity of the removal area to the terminal building.

Pavement areas and curb to be removed will be delineated by the Contractor. Limits of removal shall be verified by the Engineer prior to start of removal operations. Any areas of pavement removed outside the limits approved by the Engineer shall be done entirely at the Contractor's expense.

The Contractor shall make straight cuts around the perimeter of the removal with an approved power saw, full depth of the pavement and at the location shown in the plans before proceeding with the actual removal operations.

Extreme care shall be taken to not damage existing pavement to remain in place, structures around or within the pavement or the terminal building. Equipment and methods used for removing pavement shall be such as to prevent cracking or other damage to the adjacent pavement or the aforementioned structures. Should the remaining pavement or structures be damaged by his operations, the Contractor shall immediately change equipment and/or methods to prevent damage to any more pavement and the damaged pavement or structures shall be repaired the Contractor's expense.

Care shall be taken when removing pavement to avoid damaging conduit, wiring, lighting units and other airfield appurtenances which are to remain in place or be reinstalled/restored.

The material removed shall be disposed of off Airport property.

The Contractor shall provide hauling equipment similar to the type used to transport waste materials on public roads. The hauling equipment shall be equipped with covers adequate to prevent any spillage of waste material on the pavement. Using airfield pavements as haul roads is prohibited unless approved by the Engineer and the Airport. All surfaces used in hauling waste material shall be kept clean.

BASIS OF PAYMENT

5.1 ADD:

**Item AR501690 – PCC Sidewalk Removal – per square foot
Item AR501908 – 8” PCC Pavement Removal – per square yard**

ITEM AR510500 – TIE DOWN/GROUND ROD

Check Sheet #34

CONSTRUCTION METHODS

ADD:

3.1 Existing ground rods shall be removed prior to beginning pavement removal operations.

The Contractor shall install new ground rods according to the details shown in the plan drawings.

BASIS OF PAYMENT

5.1 Payment will be made under:

Item AR510515 – Ground Rod – per each
Item AR510905 – Remove Ground Rod – per each

ITEM AR602000 – BITUMINOUS PRIME COAT

DESCRIPTION

603-1.1 ADD:

This item shall consist of the application of a prime coat for the following items:

- On the crushed aggregate base course prior to construction of the bituminous shoulder pavement.

METHOD OF MEASUREMENT

603-4.1 ADD:

Prime coat material shall be measured for payment based on weight tickets and bills of lading supplied by the Contractor to the Resident Engineer. The Resident Engineer shall reserve the right to weigh any distributor truck at an approved scale of his choice prior to accepting Contractor weight tickets.

BASIS OF PAYMENT

603-5.1 ADD:

If, upon delivery and incorporation of any materials, the Contractor has failed to provide the necessary submittals as required by Sections 30-18, 40-01, 40-03 and 40-11 of the Standard and Special Provisions, the pay item shall not be included on the Construction Progress Payment report until such submittals have been furnished.

Payment will be made under:

Item AR602510 – Bituminous Prime Coat – per gallon
Item AS602510 – Bituminous Prime Coat – per gallon

ITEM AR603000 – BITUMINOUS TACK COAT

DESCRIPTION

603-1.1 ADD:

This item shall consist of the application of a tack coat for the following items:

1. On the milled PCC pavement surface prior to placement of the bituminous patches
2. On the prepared butt joints prior to placement of bituminous surface course
3. Between lifts of any bituminous paving course

METHOD OF MEASUREMENT

603-4.1 ADD:

Tack coat material shall be measured for payment based on weight tickets and bills of lading supplied by the Contractor to the Resident Engineer. The Resident Engineer shall reserve the right to weigh any distributor truck at an approved scale of his choice prior to accepting Contractor weight tickets.

BASIS OF PAYMENT

603-5.1 ADD:

If, upon delivery and incorporation of any materials, the Contractor has failed to provide the necessary submittals as required by Sections 30-18, 40-01, 40-03 and 40-11 of the Standard and Special Provisions, the pay item shall not be included on the Construction Progress Payment report until such submittals have been furnished.

Payment will be made under:

- Item AR603510 – Bituminous Tack Coat – per gallon**
- Item AS603510 – Bituminous Tack Coat – per gallon**

ITEM AR610000 – STRUCTURAL PORTLAND CEMENT CONCRETE

DESCRIPTION

610-1.1 ADD: This item shall include concrete used for the purpose of adjusting the existing base mounted edge lights, adjusting taxi guidance signs, and underdrain connections. Structural PCC shall also be used for bollard construction, concrete curb and combination curb and gutter construction and new fence and gate erection.

The costs to furnish and install structural concrete shall be considered incidental to the contract unit price for the item utilizing Item 610 Structural Portland Cement Concrete. The prices shall be full compensation for furnishing all materials and or preparation, delivering and installation of these materials, and for all labor, equipment, tools and incidentals necessary to complete the item.

If, upon delivery and incorporation of any materials, the Contractor has failed to provide the necessary submittals as required by Sections 30-18, 40-01, 40-03 and 40-11 of the Standard and Special Provisions, the pay item shall not be included on the Construction Progress Payment report until such submittals have been furnished.

ITEM AR605000 – JOINT SEALING FILLER

MATERIALS

605.2.1 JOINT SEALING MATERIALS

DELETE: Paragraphs (a), (b), (c), (d) and (e) from the Standard and Supplemental Specifications.

ADD: The joint sealing materials shall meet the requirements of one or more of the following:

(a) Not Used.

(b) ASTM D1854 – Jet fuel resistant concrete joint sealer, hot applied elastic type.

(c) Not Used.

(d) ASTM D3581 – Joint sealant, hot applied, jet fuel resistant type, for Portland Cement concrete and tar-concrete pavements.

(e) Not Used.

(f) ASTM D3569 – Joint sealant, hot applied, elastomeric, jet fuel resistant type for Portland Cement concrete pavements.

ITEM AR620000 – PAVEMENT MARKING

METHOD OF MEASUREMENT

620-4.1 ADD: No distinction will be made between colors of paint for payment purposes.

Black border paint shall be required adjacent to the permanent taxiway centerline and enhanced taxiway centerline and shall be measured for payment.

Two applications of pavement marking are to be applied at the end of the project. The quantity of pavement marking to be paid for shall be the number of square feet of surface covered with two applications of paint, completed and accepted by the Resident Engineer. Measurement shall not be made separately for each paint application.

Mobilization will not be measured for payment. Several mobilizations will be required for the pavement marking.

Painted areas not requiring reflective media shall be measured by the square foot as if the area did include reflective media

BASIS OF PAYMENT

620-5.1 **BASIS OF PAYMENT**

DELETE: This section.

ADD: Payment shall be made at the contract unit price per square foot for pavement marking. This price shall be full compensation for furnishing all materials, labor, equipment, tools and incidentals necessary to complete the item.

No direct payment will be made for mobilization for the purpose of pavement marking. The cost for mobilization for this item shall be considered incidental to the contract unit prices for the pavement marking items.

No direct payment will be made for reflective media.

If, upon delivery and incorporation of any materials, the Contractor has failed to provide the necessary submittals as required by Sections 30-18, 40-01, 40-03 and 40-11 of the Standard and Special Provisions, the pay item shall not be included on the Construction Progress Payment report until such submittals have been furnished.

Payment will be made under:

Item AR620510 – Pavement Marking – per square foot
Item AS620510 – Pavement Marking – per square foot

ITEM AR705000 PIPE UNDERDRAINS FOR AIRPORTS

DESCRIPTION

705-1.1 ADD: This item shall consist of the installation of 4” Perforated underdrain with sock and vertical adjustments to existing underdrain cleanouts at the locations shown in the plans.

CONSTRUCTION METHODS

705-3.3 LAYING AND INSTALLING PIPE

ADD: Pipe shall be installed in accordance with the details in the plans and the manufacturer’s recommendations.

METHOD OF MEASUREMENT

705-4.1 ADD: Underdrain shall be measured by the lineal foot, in-place and accepted for perforated underdrain w/sock. No separate measurement will be made for direct connections, fittings or pipe end plugs.

BASIS OF PAYMENT

705-5.1 ADD: Payment will be made at the contract unit price per lineal foot of 4” Perforated Underdrain w/Sock. These prices shall be full compensation for furnishing all materials and for all preparation, excavation, and installation of these materials and for all labor, equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

Item AR705524 – 4” Perforated Underdrain w/sock – per lineal foot
Item AS705944 – Adjust Underdrain Cleanout – per each

ITEM AR754000 CONCRETE GUTTERS, DITCHES AND FLUMES

DESCRIPTION

754-1.1 ADD: This item shall consist of the construction of Portland cement concrete curb and Portland cement concrete combination curb and gutter in conformance with the details as shown in the plans.

This item shall also consist of the removal of the existing concrete curbs (at the apron site) and existing combination curb and gutter (at the taxi and limousine waiting area) at the locations shown in the plans and as designated by the Resident Engineer.

MATERIALS

754-2.3 GRANULAR BEDDING

DELETE: Reference to Item 208.

ADD: Granular bedding shall be IDOT CA-6 in conformance with Item 209.

METHOD OF MEASUREMENT

754-4.1 DELETE: This Section.

ADD: Concrete curb and Combination concrete curb and gutter shall be measured by the lineal foot along the centerline of the structure in-place, completed and accepted by the Resident Engineer.

Measurement of concrete curb and Combination concrete curb and gutter to be removed shall be made before the structure is removed, by the lineal foot, along the centerline of the structure to be removed.

BASIS OF PAYMENT

754-5.1 Payment will be made under:

- Item AR754210 – Concrete Curb – per lineal foot**
- Item AR754410 – Combination Curb & Gutter – per lineal foot**
- Item AR754900 – Remove Concrete Curb – per lineal foot**
- Item AR754904 – Remove Combination Curb and Gutter – per lineal foot**

ITEM AR800284 – REMOVE, REPAINT AND REINSTALL GUARDRAIL

DESCRIPTION

- 1.1 This item shall consist of removing the existing metal tube guardrail prior to pavement removal operations, cleaning, priming and painting, and re-installing the guardrail at the existing locations. The reinstallation shall be accomplished using all new hardware in accordance with the details shown in the Plans.

MATERIALS

2.1 PAINT

The paint color used for the finish coat shall be selected by the Airport from color charts supplied by the Contractor.

One coat of primer and two coats of finish paint shall be required.

2.2 HARDWARE

Hardware required for the reinstallation of the guardrail shall be stainless steel of the same size and type as the existing hardware.

2.3 GROUT

Grout required for the construction of the leveling pad shall be non-shrink grout.

CONSTRUCTION METHODS

3.1 GENERAL

The existing guardrail shall be removed and stored in a safe location to prevent damage. All anchor bolts and other hardware shall be completely removed.

The Contractor shall be allowed to remove the guardrail to an offsite paint shop to complete the cleaning and painting work. Should the Contractor elect to take the guardrail offsite, it is anticipated that the guardrail will need to be cut into pieces for transport and welded back together during reinstallation. The cutting of the guardrail shall NOT be accomplished by torch. Any field welding shall be completed by a certified welder and the weld completely smoothed and repainted.

The Contractor shall take care to not damage the existing guardrail during his removal operations. Damage caused by the Contractor shall be repaired by him at no additional cost to the contract. The Contractor is encouraged to survey the existing guardrail in the presence of the Resident Engineer so as not to incur damage claims not of his fault.

The guardrail shall be reinstalled at the existing locations. The Contractor shall be required to note the existing locations prior to removal.

Each section of guardrail shall be removed during each individual phase. At the Airport's option, the entirety of the guardrail may be removed at one time prior to beginning work.

- 3.2 The guardrail shall be completely cleaned of existing paint and primer back to bare metal. The cleaning process may be accomplished by any manner the Contractor determines,

provided the guardrail is not damaged. At the completion of the cleaning process, the guardrail shall be primed and painted with two coats of paint of the color selected by the Airport.

3.3 All new hardware shall be supplied by the Contractor for the reinstallation. No existing hardware shall be reused. The Contractor shall be allowed to suggest an alternative installation method other than that shown in the Plans, provided it meets with the Engineer's approval. A grout leveling pad shall be required as shown.

3.3 As each phase is completed and before the Owner resumes partial occupancy of the phase limits, the guardrail shall be reinstalled. The guardrail shall be cleaned, primed and repainted PRIOR to reinstallation. Any damage to the finish during reinstallation shall be repaired by the Contractor at his expense.

METHOD OF MEASUREMENT

4.1 Guardrail removal, cleaning, repainting and reinstallation shall be measured by the lineal feet of PLAN length of guardrail. No vertical measurements shall be made. Only such guardrail that is removed, cleaned, repainted and reinstalled, completed and accepted by the Resident Engineer shall be measured for payment.

Vertical portions of the guardrail assembly shall not be measured for payment, but they shall be cleaned and repainted in compliance with Section 3.2 of this specification.

Any guardrail cleaning and repainting found dissatisfactory to the Resident Engineer shall be redone at no additional cost to the contract.

BASIS OF PAYMENT

5.1 Guardrail removed, cleaned, painted and reinstalled shall be paid for at the contract unit price per lineal foot of PLAN length. This price shall be full compensation for furnishing all materials, labor, equipment, tools and incidentals necessary to complete the item.

No payment for vertical portions of the guardrail shall be made.

Any guardrail cleaning and repainting found dissatisfactory to the Resident Engineer shall not be paid for until such time as the work is corrected and found to be satisfactory.

No payment shall be made for cutting the guardrail for transport to an offsite painting facility or for welding the guardrail together during reinstallation. Costs associated with cutting and welding of the guardrail shall be included in the costs of removing, repainting and reinstalling the guardrail.

Payment will be made under:

Item AR800284 – Remove, Repaint and Reinstall Guardrail – per lineal foot

ITEM AR800390 – PARTIAL DEPTH PCC REMOVAL AND BITUMINOUS PATCHING

DESCRIPTION

- 1.1 This work shall consist of partial depth removal of the existing PCC pavement structure, and replacement with bituminous concrete at the locations shown on the plans, or as directed by the Resident Engineer. Excess millings are to be spread as shown in the plans for Airport Perimeter Road construction.

MATERIALS

- 2.1 The bituminous tack coat shall be according to Item 603, Bituminous Tack Coat. The mixture for the bituminous concrete for partial depth patches shall be Item 401, Bituminous Surface Course of the same type as the proposed bituminous overlay.

2.2 EQUIPMENT

The machine used for milling shall be a self-propelled milling machine capable of milling to the specified depth without damaging the adjacent pavement that is to remain in place.

Mechanical equipment shall be used to compact the bituminous concrete patch mixture. Compaction of the bituminous mixture in the partial depth patches shall be by mechanical means to achieve the best possible compaction. The patch mix shall be compacted by a roller approved by the Resident Engineer. If the compaction does not satisfy the Resident Engineer, the contractor shall change compaction equipment or methods.

Cleaning equipment shall be a mechanical sweeper according to Article 1101.03 of the Standard Specifications or air equipment capable of applying compressed air, at a minimum 100 psi, and shall have sufficient flow rate to remove all disturbed pavement debris. Air equipment shall meet the requirements of ASTM D 4285.

CONSTRUCTION REQUIREMENTS

3.1 GENERAL

The contractor shall remove the removed milled material, haul and place it for an airport perimeter road as directed by the engineer.

Partial depth removal of the pavement shall be accomplished by the use of a milling machine. The minimum patch width dimension shall be 18 inches wide. The minimum milling depth shall be 3 inches. One cut of the milling head shall cut the minimum width and thicknesses.

Millings shall be removed from the patch area by conveyor into a hauling vehicle and hauled to the dump location. Air equipment and a mechanical sweeper shall remove all remaining disturbed pavement debris and any loose and/or unsound concrete. Exposed reinforcement shall be removed back to the point where the steel is in contact with sound Portland cement concrete. Where high steel is encountered, the depth of milling may be reduced as directed by the Engineer.

When the Engineer determines the exposed pavement will be suitable for a partial depth patch, a bituminous tack coat shall be applied according to Item 603 of the specification.

The prepared patch shall be filled with bituminous concrete with a maximum lift thickness of 3 inches.

Patches which are high or become rough by rutting, shoving, or heaving shall be corrected by trimming off high areas and/or filling depressions. Filled areas shall be rolled again. Trimming high patches or filling in depressions on rough patches shall be at the Contractor's expense.

Compaction of the bituminous mixture in the partial depth patches shall be by mechanical means to achieve the best possible compaction. The patch mix shall be compacted by an approved roller. Vibrating plates and jumping jack type equipment shall be used to supplement the heavier compaction equipment. If the compaction does not satisfy the engineer, the contractor shall change compaction equipment or methods.

METHOD OF MEASUREMENT

4.1 METHOD OF MEASUREMENT

Partial depth removal of the existing PCC pavement will be measured in lineal feet of the minimum width and minimum thickness specified, in place, complete and accepted by the engineer.

Partial depth patches not meeting the minimum width and depth requirements shall not be measured for payment. Removal of any existing pavement material outside the established patch dimension of 18 inches wide and 3 inches deep shall not be measured for payment.

Bituminous concrete mixtures for partial depth patching of the PCC pavement will be measured in lineal feet of the width and thickness specified. Partial depth bituminous patches not meeting the minimum width and depth requirements shall not be measured for payment. Installation of any partial depth patches outside of the established partial depth patch dimension of 18 inches wide and 3 inches deep shall not be measured for payment.

No measurement shall be made for airport perimeter road construction as shown in the plans.

BASIS OF PAYMENT

5.1 Partial depth removal of the PCC pavement will be paid for at the contract unit price per lineal feet for PCC Joint Milling of the thickness and width specified.

Partial depth bituminous patching will be paid for at the contract unit price per lineal feet for PCC Partial Depth Patch of the width and thickness specified.

These prices shall be full compensation for furnishing all materials, equipment, labor, hauling, disposal, a minimum of three mobilizations, and all other incidental items necessary to complete the work to the satisfaction of the Engineer.

No payment shall be made for airport perimeter road construction as shown in the plans.

Payment will be made under:

AR800390 – PCC Joint Milling – per lineal foot
AS800390 – PCC Joint Milling – per lineal foot
AR800391 – PCC Partial Depth Patch – per lineal foot
AS800391 – PCC Partial Depth Patch – per lineal foot

ITEM AR800420 – REFLECTIVE CRACK CONTROL - ISAC

DESCRIPTION

1.1 GENERAL

This work shall consist of constructing the ISAC membrane on selected transverse and longitudinal joints.

The ISAC Membrane is a reflective crack control system. The Contractor shall understand the ISAC Membrane will require installation time greater than the usual reflective crack system.

ISAC membrane shall be placed at locations designated in the field by the Resident Engineer.

The ISAC material width shall be 36 inches.

1.2 COORDINATION

A pre-installation meeting between the Contractor and the manufacturer is required.

The manufacturer shall be present during the installation of the ISAC Membrane.

MATERIALS

2.1 ISAC MEMBRANE

The Stress Absorbing Composite shall be a high performance stress absorbing geosynthetic composite with successful performance substantiated through defined laboratory testing using a LVDT device and simulated ACC overlay of a PCC slab in retarding cracking in pavement overlays.

The Stress Absorbing Composite shall consist of a viscoelastic membrane sandwiched between a low modulus, low stiffness non-woven geotextile on the bottom of the composite and a high modulus, high stiffness open mesh grid (stiffness > 4000 lb/in at 5% strain with 10lb preload) on the top of the composite. The bottom non-woven geotextile shall be designed to fully bond with the existing pavement with the help of a tack coat and be capable of accommodating sufficiently large stresses at the joint/crack without breaking its bond with the slab. The viscoelastic membrane shall be designed to prevent water entry into the pavement base course through cracks and/or joints in the pavement and act as a stress absorbing member interlayer (SAMI) between the overlay and the underlying pavement. The high modulus, high stiffness open mesh grid on the top of the composite shall be designed to fully bond with the overlay and provide high stiffness and reinforcement to the overlay.

The defined laboratory testing shall be completed at the University of Illinois on an LVDT device in an environmental chamber capable of simulating thermal stress in a slab and joint at varying temperature ranges consistent with testing as described in the report titled "Interlayer Stress Absorbing Composite for Mitigating Reflective Cracking in Asphalt Concrete Overlays", University of Illinois Project No. IHR-533. An acceptable product covered by this specification is CONTECH ISAC™ Reflective Crack Retarding Composite as manufactured by CONTECH CONSTRUCTION PRODUCTS INC. For a product to be considered an equal, it must demonstrate similar performance as CONTECH ISAC in the laboratory testing described above.

The Stress Absorbing Composite shall be installed according to manufacturer's recommendations.

2.2 ISAC TACK COAT

The asphaltic tack applied to the pavement surface shall be an AC-10 Asphalt Cement which meets the requirements of ASTM D 3381, or shall be asphaltic rubberized cement crack filler which meets the requirements of ASTM 3405.

2.3 PAVING TACK COAT

A paving tack must be used over the ISAC membrane prior to paving. The tack shall be slow-set emulsified asphalt (such as SS-1 or SS-1h) at a rate of 0.20 gallons per square yard. Cutback asphalts are prohibited.

CONSTRUCTION METHODS

3.1 STORAGE

The stress relief membrane shall be stored inside a closed building and not exposed to moisture or rain prior to installation. The plastic wrap packaging on the pallets does not protect the material from moisture or rain. Any material that becomes wet prior to installation shall be removed from the jobsite and discarded. Inside storage temperatures shall not exceed 120°F (49°C).

3.2 SURFACE PREPARATION

The surface upon which the stress relief membrane will be placed must be free of dirt, water and vegetation. All loose particles shall be broomed or blown clean from the pavement surface.

3.3 INSTALLATION

Adequate bonding of the stress relief membrane is a combined function of tack coat application rate; application temperature and spray width; temperature of the existing surface during application; and rolling equipment and procedures. The installer must fully comply with the installation requirements listed in these procedures.

3.4 SURFACE CONDITIONS

The stress relief membrane shall be applied when the existing surface temperature is a minimum of 50°F (10°C) and rising. The existing pavement surface must be clean and dry prior to installation of the stress membrane.

Caution: The use of solvents (i.e., kerosene, gasoline, diesel fuel and such) or other agents such as those used to clean paving equipment and tools is strictly prohibited. In the event that such solvents or agents come into contact with the membrane, the contaminated materials shall be immediately removed from the jobsite and discarded.

3.5 APPLICATION OF TACK COAT FOR ISAC MEMBRANE

The minimum application temperature for asphaltic rubberized cement tack shall be 350°F (177°C) or as recommended by the manufacturer.

The ISAC tack must be applied at a rate of approximately 0.15 gallons/square yard (0.70 liters/square meter) over existing surfaces and approximately 0.25 gallons/square yard (1.13 liters/square meter) over milled surfaces.

Hand-held wands with nozzles that form a fan-shaped spray are required in order to achieve a consistent application rate. Application of the tack coat directly from a distributor bar on a distributor truck is prohibited.

The maximum width of the tack coat application shall be such that the tack extends a maximum 1-1/2" (38 mm) on both sides of the stress relief membrane strip.

Caution: Application of the tack coat in excess of the recommended rates and/or excessive tack coat spray widths may cause the stress relief membrane to slip or may cause the overlay to shove during the paving process. This slippage and/or shoving can cause a shadow of the stress relief membrane strip on the surface of the overlay or tears in the overlay resulting in an unacceptable ride quality.

The use of emulsified asphalts and/or cutbacks is strictly prohibited for use as a tack to bond the stress relief membrane to the existing pavement structure.

3.6 PLACING STRESS RELIEF MEMBRANE

The stress relief membrane shall be cut (when necessary) with a razor knife from the woven polyester side (top). The woven polyester side of the material must be placed upon (exposed to traffic) with the nonwoven side rolled into the tack.

The stress relief membrane must be placed such that is centered over the crack or joint on the existing surface. A minimum of 5 inches of the ISAC must extend beyond the edges of the crack or joint.

The material shall be laid smooth and with no uplifted edges. It is critical that the edges of the stress relief membrane be securely bonded to the pavement surface. The stress relief membrane shall be placed and rolled immediately with a hand or motorized type roller weighing 100 pounds (45 kg) minimum after the asphalt cement tack is applied to the existing surface. It must then be rolled again with a static drum riding roller. The second rolling effort must follow the hand roller by no more than three (3) minutes. On milled surfaces, the second rolling effort shall be accomplished with a rubber tire pneumatic roller.

The stress relief membrane should be placed at least 24 hours in advance of paving operations. If application must immediately precede the paving operation, a rubberized asphalt cement may be required as a tack coat to bond the stress relief membrane to the existing surface.

Where two or more pieces of membrane meet, the membrane may be butted or overlapped.

The overlap shall be made in the direction of vehicular traffic flow and the direction of paving operations. An additional tack coat is required to bond two pieces together where overlapping is used. The additional tack coat shall be applied at the same rate as the original tack coat. Laps resulting in three layers of ISAC will not be allowed.

The ISAC can be opened to traffic as soon as the tack coat has cooled sufficiently to lose its stickiness. Material left unexposed in freezing conditions should be overlaid as soon as possible (exposure not to exceed 48 hours). The combination of cold, brittle tack coat, and traffic may cause some disbanding of the ISAC from the existing surface.

Once the membrane is installed, it may be exposed to moisture and rain prior to the application of the overlay. However, the stress relief membrane must be dry at the time the overlay is placed.

Although not required, small amounts of washed sand may be used to blot excessive asphalt cement tack coat when necessary to facilitate movement of traffic or construction equipment over the membrane prior to placement of the overlay. Removal and replacement of any membrane that is damaged after placement is required. Cut and replace the damaged material three (3) feet (1 meter) in either direction of the damaged area. Replace the tack and follow the above installation recommendations.

Paving operations shall only begin when the membrane is thoroughly bonded to the existing surface.

3.7 PLACING AND COMPACTING BITUMINOUS MIXTURES

Upon completion of the installation of the ISAC membrane and when approved by the Resident Engineer, a bituminous tack coat, meeting the requirements of AR60300 shall be applied. Hot mix asphalt or washed sand can be broadcast ahead of the paver if the membrane is sticking to the tires of trucks or paving equipment.

The bituminous base course placed on top of the ISAC shall be constructed in accordance with AR201000.

The minimum bituminous base course thickness overtop the ISAC shall be 1-1/2 inches, compacted.

When using a vibratory roller for compaction, care must be taken to avoid the use of excessive amplitude. Use of excessive amplitude during the compaction process may cause a shadow of the stressed relief membrane strip on the surface of the overlay resulting in an unacceptable ride quality.

3.8 TRAFFIC

The ISAC material cannot be trafficked after placement except to pave over. The Contractor must pave immediately after placement of the fabric provided it is dry.

METHOD OF MEASUREMENT

4.1 ISAC Membrane will be measured for payment in lineal feet along the joint or cure in place satisfactorily installed and maintained. Overlap will be measured in lineal feet of joint and not lineal feet of fabric.

The ISAC tack coat and the paving tack coat shall not be measured for payment but considered incidental to the ISAC material installation.

BASIS OF PAYMENT

5.1 If, upon delivery and incorporation of any materials the Contractor has failed to provide the necessary submittals as required by Sections 30-18, 40-01, 40-03 and 40-10 of the Standard and Special Provisions, the pay item shall not be included on the CPP until such submittals have been furnished.

Payment will be made at the contract unit price per lineal foot of ISAC Membrane. This price shall be full compensation for furnishing and installing ISAC materials, ISAC tack material

and any required broadcast sand, equipment, labor and other incidentals to complete this item. The paving tack coat will be paid for as AR603510 – Bituminous Tack Coat.

Payment will be made under:

Item AR800420 – Reflective Crack Control – ISAC – per lineal foot

Item AS800420 – Reflective Crack Control – ISAC – per lineal foot

ITEM AR901510 – SEEDING

BASIS OF PAYMENT

901-5.1 ADD: If, upon delivery and incorporation of any materials, the Contractor has failed to provide the necessary submittals as required by Sections 30-18, 40-01, 40-03 and 40-11 of the Standard and Special Provisions, the pay item shall not be included on the Construction Progress Payment report until such submittals have been furnished.

Payment will be made under:

Item AR901510 – Seeding – per acre

Item AS901510 – Seeding – per acre

ITEM AR904000 – SODDING

CONSTRUCTION METHODS

904-3.1 **DELETE:** First paragraph.

ADD: The approximate areas to be sodded are shown on the plans. The exact limits will be established by the Engineer.

904-3.2 **PREPARING THE GROUND SURFACE**

ADD: The areas to be sodded shall be stripped of vegetation, in accordance with Item 152, thoroughly disced or scarified to a 4” minimum depth, and brought to grade with topsoil as described in Item 152 – Excavation and Embankment.

904-3.5 **LAYING SOD**

ADD: After the ground surface has been prepared and accepted, the Contractor shall furnish and install new sod on the prepared surface.

BASIS OF PAYMENT

904-5.1 **ADD:** Payment will be made under:

Item AR904510 – Sodding – per square yard
Item AS904510 – Sodding – per square yard

ITEM AR905000 – TOPSOILING

DESCRIPTION

905-1.1 ADD: Topsoil shall be stripped from excavation and embankment areas and below proposed pavements and stockpiled outside of the grading limits. The surface of all disturbed areas shall be covered with a layer of topsoil, as needed, to facilitate drainage and the growth of turf.

CONSTRUCTION METHODS

905-3.1 GENERAL

DELETE: The first sentence.

ADD: A 3 inch minimum layer of topsoil shall be spread evenly over the disturbed areas outside the proposed pavement to facilitate drainage and the growth of turf.

905-3.4 PLACING TOPSOIL

DELETE: The first sentence and replace with the following:

A layer of topsoil of uniform thickness shall be placed over the disturbed areas outside the proposed pavement to a minimum depth of 3 inches after compaction to promote the growth of turf.

ITEM AR908000 - MULCHING

MATERIALS

908-2.1 MULCH MATERIAL

DELETE: The first paragraph.

REVISE: First sentence to read:

Material used for mulching shall be Manufactured Hydraulic Mulch.

CONSTRUCTION METHODS

908-3.1 REVISE: This section to read:

Within 24 hours from the time seeding has been performed, the seeded or planted area shall be given a covering of hydromulch. This method shall consist of machine application of wood or paper fiber hydraulic mulch at the specified rate using an approved hydraulic seeder. The hydraulic mulch shall be applied as a slurry of 2,000 pounds of mulch and not less than 2,000 gallons of water per acre. The hydraulic mulch slurry shall be agitated a minimum of 5 minutes before application and shall be in continuous agitation during the application. The seeding will not be applied concurrently with this operation. The mulch shall be loose enough to permit air to circulate, but compact enough to reduce erosion. On slopes steeper than 3:1, mulch shall be applied on the same day as seeded or planted.

Following the mulching operation, every precaution shall be taken to prohibit foot or vehicular traffic, or the movement of equipment over the mulched area. At any location where mulching has been displaced by Contractor's equipment or personnel, the seeding or other work damaged as a result of that displacement shall immediately be replaced and the mulch covering replaced, at the Contractor's expense, in a manner satisfactory to the Engineer.

It shall be the Contractor's responsibility to make certain that the rate of mulch application is maintained constant throughout the seeding operations.

908-3.2 DELETE: This section.

METHOD OF MEASUREMENT

908-4.1 DELETE: This section.

ADD: The quantity of hydraulic mulching shall be number of acres of mulch measured in place installed in accordance with the specifications and accepted by the engineer.

BASIS OF PAYMENT

908-5.1 ADD: Payment will be made at the contract unit price per acre for hydraulic mulching. This price shall be full compensation for furnishing all materials and for placing and anchoring the materials, and for all labor, equipment, tools, and incidentals necessary to complete this item.

If, upon delivery and incorporation of any materials, the Contractor has failed to provide the necessary submittals as required by Sections 30-18, 40-01, 40-03 and 40-11 of the Standard

and Special Provisions, the pay item shall not included on the Construction Progress Payment report until such submittals have been furnished.

Payment will be made under:

Item AR908510 – Mulching – per acre

Item AS908510 – Mulching – per acre

ITEM AR910410 – PARKING BLOCK

DESCRIPTION

1.1 GENERAL

This item shall consist of removing existing parking blocks and furnishing and placing new replacement parking blocks.

MATERIALS

2.1 PARKING BLOCKS

New parking blocks shall be supplied from a certified precast concrete products producer. The blocks shall conform to the details as shown in the plans or approved equal.

2.2 CONCRETE

Concrete shall meet the requirements of Item P-610 Structural Portland Cement Concrete. In addition, the concrete shall have a minimum strength of 4,000 psi at 28 days.

CONSTRUCTION METHODS

3.1 GENERAL

New blocks shall be furnished and placed at the locations shown in the plans or as directed by the Resident Engineer. The blocks shall be anchored as shown in the plans.

3.2 Existing parking blocks shall be removed prior to beginning pavement removal operations and disposed of off site by the Contractor.

METHOD OF MEASUREMENT

4.1 The quantity of parking blocks that are measured for payment shall be the number of parking blocks installed and accepted by the Resident Engineer.

4.2 The quantity of parking blocks removed that are measured for payment shall be the number of parking blocks removed by the Contractor and disposed of offsite.

BASIS OF PAYMENT

5.1 The quantity of parking blocks to be paid for shall be the number of parking blocks installed and accepted by the Resident Engineer. This price shall be full compensation for furnishing all materials, labor, equipment, tools and incidentals necessary to complete the item.

The quantity of parking blocks removed to be paid for shall be the number of parking blocks removed, disposed of offsite and accepted by the Resident Engineer.

Payment will be made under:

Item AR910410 – Parking Block – per each
Item AR800285 – Remove Parking Block – per each

ITEM AR910420 – BOLLARD

DESCRIPTION

1.1 GENERAL

This item shall consist of the following:

- Removing existing bollards and furnishing, fabricating and installing new bollards at the locations shown in the plans adjacent to the terminal building;
- Cleaning and repainting bollards in place;
- Removing existing bollards and furnishing, fabricating and installing new bollards as required for the installation of the new Electric Gate, 20'.

MATERIALS

2.1 PIPE

The pipe for the bollard shall be iron pipe of the size as shown in the plans, meeting the requirements of ASTM A53, Schedule 40 Pipe. The pipe shall be primed and painted with two coats of paint of the color selected by the Airport.

2.2 CONCRETE

Concrete shall meet the requirements of Item P-610 Structural Portland Cement Concrete.

CONSTRUCTION METHODS

3.1 GENERAL

The bollard shall be constructed in accordance with the details on the plans and as specified herein using new materials, and all work shall be performed in a workmanlike manner satisfactory to the Engineer. Prior to the beginning of the work, the Contractor shall electronically record the locations of the existing bollards to be replaced. The new bollards shall be constructed at the same locations as those recorded, or as requested by the Airport Manager. Bollards to protect the card readers at the electric gate shall be in the configuration shown in the plans.

Each bollard shall be set in a concrete base as shown on the plans. The top of the concrete base shall be slightly above the ground, trowel finished, and sloped to drain away from the bollard. Holes of full depth and size for the concrete bases for bollard shall be dug to the size and depth as shown on the plans.

After the bollard pipe has been set in a concrete base, the bollard pipe shall be filled with concrete, and the top shall be slightly rounded, trowel finished, and sloped to drain.

Any concrete on the outside of the bollard pipe shall be removed and the pipe shall be primed prior to applying the finish paint.

The bollard shall be painted with at least one coat of primer paint and two coats of finish paint. The color of the finish paint will be selected by the Airport from color charts supplied by the Contractor. The finish coats shall be applied after the posts have been installed, cleaned and filled with concrete.

In lieu of painting existing and new bollards, the Contractor may provide and install a plastic sleeve with the approval of the Engineer. The Contractor shall be responsible for determining proper sizes and mounting techniques if this option is approved.

The existing bollards are approximately 8 inches in diameter, 42 inches tall and have a vertical metal disk at the top. The Contractor will remove this disk and repair/replace the top of the concrete filling with PC Concrete in accordance with Item 610.

3.2 Existing bollards shall be removed and disposed of off site by the Contractor. Holes left after removal of the existing bollard shall be filled with earth material and compacted to the satisfaction of the Resident Engineer.

3.3 Existing bollards not removed adjacent to the terminal building shall be cleaned and repainted in accordance with section 3.1. The concrete mound at the top of the bollard shall be repaired prior to final cleaning and painting.

METHOD OF MEASUREMENT

4.1 Bollard removal and installation at the electric gate shall not be measured for payment but shall be considered incidental to the removal of the existing electric slide gate and installation of the new electric slide gate.

Bollard removal and installation adjacent to the terminal building shall be measured per each, completed and accepted by the Resident Engineer.

Bollards cleaned and repainted in-place at locations adjacent to the terminal building shall be measured per each, complete and accepted by the Resident Engineer.

BASIS OF PAYMENT

5.1 Bollards removed and installed at the electric gate location shall not be paid for, but shall be considered incidental to the removal of the existing electric slide gate and installation of the new electric slide gate.

Removal of bollards adjacent to the terminal building shall be paid for at the contract unit price per each for the removal and off-site disposal of the bollard. This price shall be full compensation for furnishing all materials, labor, equipment, tools and incidentals necessary to complete the item.

Installation of bollards adjacent to the terminal building shall be paid for at the contract unit price per each bollard, completed and accepted. This price shall be full compensation for furnishing all materials, labor, equipment, tools and incidentals necessary to complete the item.

Cleaning and re-painting in-place of bollards adjacent to the terminal building shall be paid for at the contract unit price per each bollard, completed and accepted. This price shall be full compensation for furnishing all materials, labor, equipment, tools and incidentals necessary to complete the item.

Payment will be made under:

Item AR910420 – Bollard – per each

Item AR800215 – Remove Bollard – per each

Item AR800283 – Clean and Repaint Bollard – per each

APPENDIX 1
Policy Memorandum 87-3
Mix Design, Test Batch, Quality Control
and Acceptance Testing of PCC Pavement Mixture
4 Pages

State of Illinois
Department of Transportation
Division of Aeronautics

POLICY MEMORANDUM

July 31, 2004

Springfield

Number: **87-3**

TO: CONSULTING ENGINEERS

SUBJECT: MIX DESIGN, TEST BATCH, QUALITY CONTROL, AND ACCEPTANCE
TESTING OF PCC PAVEMENT MIXTURE

I. SCOPE

This Policy Memorandum addresses the Mix Design, Test Batch, Quality Control and Acceptance Testing of PCC pavement mixtures specified by Item 501, Portland Cement Concrete Pavement, in accordance with the Standard Specifications for Construction of Airports, effective January 1985, Special Provisions, and policies of the Division of Aeronautics.

II. MIX DESIGN

Prior to the start of paving operations and after approval by the Division of Aeronautics (IDOA) of all materials to be used in the manufacture of the concrete, the contractor shall provide a preliminary mix design(s) for evaluation at the Test Batch. The mix design shall indicate saturated surface dry batch weights per cubic yard for each material component. In addition, each material component, including chemical admixtures, shall be identified by the IDOT material code number, the IDOT producer code number, and the producer name and location. Saturated surface dry and oven dry specific gravities, as well as absorption values, for each proposed aggregate to be used in the mix shall be indicated on the mix design. When requested in writing by the contractor, the Engineer will recommend a preliminary mix design for evaluation at the Test Batch.

The Mix Design and the contractor's approved Job Mix Formula (JMF) will be issued by our office subject to verification of the mix by strength tests obtained from mix prepared from a Test Batch(es) according to the approved JMF. The water-cementitious ratio established from the approved test batch is the maximum water-cementitious ratio allowed during production paving. Whether the contractor selects his own mix design or chooses to use the mix design recommended by the Division, the contractor is responsible for the mix design, as well as the manufacture and placement of the mix.

III. TEST BATCH

At least 28 days prior to the start of production, the contractor and/or producer shall prepare a Test Batch under the direction of the Engineer. The Test Batch shall be prepared at the concrete plant proposed for use in the production of the concrete mix for the project and shall be in accordance with the approved Job Mix Formula (JMF). When approved by the Engineer, the Test Batch may be prepared at a different plant provided that the same materials specified in the JMF are used. The plant shall have been

surveyed and approved by the Engineer prior to preparation of the Test Batch. As required by these Special Provisions, the contractor shall provide Quality Control for production of the concrete. The contractor shall have his Quality Control Manager and a representative of the contractor familiar with the paving operation, present at the Test Batch preparation. The Test Batch shall be prepared as follows:

A. Proportioning

Prior to preparation of the mix, the Proportioning Technician shall perform a minimum of two (2) gradation analysis and two (2) moisture tests on each aggregate used. The gradation analysis shall be reported on form AER M-12, Side 1. From this data, the JMF shall be adjusted for moisture, in accordance with form AER M-12, Side 2. A microwave type moisture probe (or equal) may be allowed to adjust proportions for sand moisture when approved by the Engineer.

B. Preparation of the Mix:

- 1.) Prepare a Test Batch that is at least one-half (1/2) the manufacturer's rated capacity of the mixing drum (in cubic yards). The Test Batch shall be prepared with the approved JMF, adjusted for moisture.
- 2.) Mixing requirements shall be:
 - a.) Central Mix Plant: Mixing time shall be a minimum of 90 seconds. If transit mixer trucks are used to transport the mix, the mix shall be agitated, after mixing, at 2-5 RPM for the approximate time anticipated between batching at the plant and deposit of the concrete in the forms. If non-mixing trucks are used to transport the mix, the mix shall remain in the central mixer with no mixing or agitation for the approximate time anticipated from when the water contacts the cement and deposit of the concrete in the forms.
 - b.) Transit Mix Plant: Mixing shall consist of 70-100 Revolutions @ 5-16 RPM. After initial mixing, agitate mix at 2-5 RPM for the approximate time anticipated between batching at the plant and deposit of the concrete in the forms.
- 3.) Slump and Air: If the air content after aging is $6.0\% \pm 1.5\%$ and provides the required workability for paving, the contractor will make cylinders for testing at 3, 7, 14 and 28 days. If the slump is below that required for placement, the contractor may add additional water to increase the slump as necessary up to the maximum water/cement ratio (or water/cementitious material) ratio listed herein. Additional mixing of at least 40 Revolutions will be required with each addition of water. Cylinders and/or beams will be made for testing at 3, 7, 14 and 28 days when the slump is obtained, at $6.0\% \pm 1.5\%$ air content. The water/cement ratio (or water/cementitious material) ratio cannot exceed 0.44 based on actual batch weights when 501-3.6(A) proportions is specified, and 0.42 when 501-3.6(B) proportions is specified.
- 4.) The Proportioning Technician shall complete Form AER M-7, Plastic Concrete Air, Slump and Quantity and Form AER M-6, Concrete Moisture Determination

(Adjusted Oven Dry Method), to be given to the Resident Engineer after completion of the Test Batch. The Flask Method, Dunagan Method, and Pycnometer Jar Method are also acceptable test methods for the determination of aggregate moisture.

- 5.) The Resident Engineer and contractor shall complete Form AER M-4, Concrete Plant Production, Mix Verification.
- 6.) The concrete test cylinders and/or beams shall be tested at 3, 7, 14 and 28 days to establish a growth curve of concrete strength vs. age. The compressive strength shall be at least 800 psi, over the specified strength, at 28 days. Flexural strength concrete shall have at least 100 psi over the specified strength at 28 days.

IV. QUALITY CONTROL

Quality control testing is the responsibility of the contractor and must be performed by qualified testing personnel approved by the Engineer. The proportioning technician shall be PCC Level II certified by the testing firm must perform his or her duties on a full time basis whenever concrete is produced for an IDOA project.

The proportioning technician shall perform the duties as outlined in the Division of Highways latest Manual of Instructions for Concrete Proportioning and Testing and as outlined as follows. These duties as outlined are not necessarily all inclusive and may include other duties as required by the specifications, special provisions, etc.

If a QC or QA test for slump, air content, or mix temperature fails to meet the requirements of the specifications the contractor shall reject the batch. In the case of a failing test of the air content, the contractor may make adjustments to the concrete to bring the air content into compliance with the specification. Adjustments are subject to the time limitations of 1 hour from time of batching when the concrete is transported in mixer trucks. Time limitations shall be increased by 30 minutes when the concrete mixture contains a retarding admixture. When concrete has been rejected due to failing test results, the contractor shall continue to run tests for the failed test parameter until at least 3 consecutive passing tests are achieved. This testing is in addition to the normal QC and QA testing.

A. Duties of the Proportioning Technician:

- 1.) Check and maintain shipment tickets of each material used in the manufacture of the concrete. These tickets are to be given to the Resident Engineer for each day's production of concrete. The aggregates shall indicate the quality on the ticket and a statement that the coarse aggregate is a non "D" cracking (freeze-thaw rated by IDOT) aggregate. In lieu of having these statements on each ticket, the contractor may use the Division's Aggregate Certification of Compliance form, or supply the Resident Engineer with a certification letter indicating the stone quality and statement of non "D" cracking compliance.
- 2.) Inspect and maintain proper storage of all aggregates and materials daily.
- 3.) Perform at least one (1) sieve analysis for each aggregate daily.
- 4.) Inspect all weighing or measuring devices daily.

- 5.) Twice daily check the actual weighing or measuring of aggregates, cement, water, and admixtures for conformance to adjusted batch proportions. Record data on Form AER M-4, Concrete Plant Production, Mix Verification, and calculate the water/cement (or water/cementitious material) ratio.
- 6.) See that the volume of the batch does not exceed the allowable capacity of the mixer and that the proper mixing time is used.
- 7.) Make at least two (2) moisture tests of each aggregate daily and correct batch weights as required.
- 8.) Adjust the dosage rates of the admixtures as required to meet concrete temperature changes and paving conditions.
- 9.) Complete AER M-7, Concrete Air, Slump and Quantity, and Form AER M-4, Concrete Plant Production, Mix Verification for each day's production and deliver same to the Resident Engineer at the end of the day for which the data pertains. Provide to the Resident Engineer load tickets for all aggregates, cement, and admixtures used in the mix.

The Resident Engineer will also be required to visit the plant twice daily on a random basis to record actual batch weights and complete Form AER M-4, Concrete Plant Production, Mix Verification. Forms AER M-4, M-7, and M-12 shall be submitted to the R.E. on a daily basis and then faxed by the R.E. to the Division of Aeronautics daily. (FAX is (217) 785-4533.)

V. ACCEPTANCE TESTING

As required by Item 501-5.3 of the Standard Specifications, acceptance and payment of the final pavement is based on the strength of either cylinders or beams taken at random during the time of construction. The pavement shall be divided into Lots of 1200 cubic yards with sublots of 300 cubic yards each. One random sample (two cylinders or one beam) shall be obtained from each subplot for testing at 28 days to calculate final payment. At the time a subplot sample is taken, one (1) slump and one (1) air test shall be taken.

In addition to the above described sample frequency, three (3), seven (7) and fourteen (14) day tests shall be taken. The Engineer may require additional tests to maintain Quality Control.

Steven J. Long, P.E.
Acting Chief Engineer

Supersedes Policy Memorandum 87-3, dated January 1, 2004.

APPENDIX 2
Policy Memorandum 90-1
Resampling and Retesting of PCC Pavement
2 Pages

State of Illinois
Department of Transportation
Division of Aeronautics

POLICY MEMORANDUM

January 1, 2004

Springfield

Number: **90-1**

TO: CONSULTING ENGINEERS

SUBJECT: Resampling and Retesting of PCC Pavement

I. PURPOSE

1. This Policy Memorandum outlines the procedure for resampling and retesting of individual Lots of PCC Pavement for the determination of final Price Adjustment as permitted by the Special Provisions for Item 501 Portland Cement Concrete Pavement (Plain and Reinforced).

II. RESAMPLING AND RETESTING.

1. If the contractor should request the resampling and retesting of a LOT, he must notify the Engineer in writing within 24 hours of receiving the written test results and payment results for the LOT in question. The entire LOT must be resampled (no selective resampling of individual sublots will be allowed) and the contractor is not allowed to take additional cores. Once approval to resample has been granted, the Engineer will select random locations from each SUBLLOT of the LOT in question and direct the contractor to drill two (2) 4 inch or 6 inch diameter cores from each location. The cores shall be obtained, cured and tested in accordance with ASTM C 42, Obtaining and Testing Drilled Cores and Sawed Beams of Concrete. The Engineer will take possession of the cores once they have been cut by the contractor.

III. CALCULATION FOR PRICE ADJUSTMENT

1. When Compressive Test Specification (501-3.6(A) Proportions) is specified. The two (2) specimens from each SUBLLOT shall be averaged to constitute one SUBLLOT sample. The Percent Within Limits (PWL) for the LOT shall then be calculated in accordance with Item 501-5.3, Price Adjustment, of the Special Provisions using the sampled core compressive strengths and the Compressive Test formula. The final Price Adjustment shall be based on the PWL calculated using the sampled core compressive strengths. The test results of the resampled pavement are final. All costs associated with resampling, including, but not limited to testing, curing, and coring the concrete samples shall be borne by the contractor, regardless as to whether the test results increase or decrease calculated payment quantity of concrete pavement.
2. When Flexural Test Specification (501-3.6(B) Proportions) is specified. The two (2) specimens from each SUBLLOT shall be averaged to constitute one SUBLLOT sample. The SUBLLOT samples shall then be averaged to obtain a LOT average. In order for the contractor to increase concrete payment quantity back to 100%, the LOT average shall

be at least 6500 psi, and no individual SUBLOT sample shall be less than 6000 psi. Both the LOT average and SUBLOT sample strength requirements must be met in order for the concrete payment quantity to change back to 100%. If both requirements are not met, then the original concrete payment quantity calculated based on the Percent Within Limits (PWL) as outlined in 501-5.3, Price Adjustment, of the Special Provisions shall still apply. The test results of the resampled pavement are final. All costs associated with resampling, including, but not limited to testing, curing, and coring the concrete samples shall be borne by the contractor, regardless as to whether the test results increase or decrease calculated payment quantity of concrete pavement.

Steven J. Long, P.E.
Acting Chief Engineer

Supersedes Policy Memorandum 90-1, dated January 1, 2001

APPENDIX 3
Policy Memorandum 96-1
Item 610, Structural Portland Cement Concrete:
Job Mix Formula Approval & Production Testing
2 Pages

State of Illinois
Department of Transportation
Division of Aeronautics

POLICY MEMORANDUM

January 1, 2004

Springfield

Number 96-1

TO: CONSULTING ENGINEERS

SUBJECT: ITEM 610, STRUCTURAL PORTLAND CEMENT CONCRETE:
JOB MIX FORMULA APPROVAL & PRODUCTION TESTING.

- I. This policy memorandum addresses the Job Mix Formula (JMF) approval process and production testing requirements when Item 610 is specified for an airport construction contract.
- II. PROCESS
 - a. The contractor may submit a mix design with recent substantiating test data or he may submit a mix design generated by the Illinois Division of Highways with recent substantiating test data for approval consideration. The mix design should be submitted to the Resident Engineer.
 - b. The Resident Engineer should verify that each component of the proposed mix meets the requirements set forth under Item 610 of the *Standard Specifications for Construction of Airports* and/or the contract special provisions.
 - c. The mix design should also indicate the following information:
 1. The name, address, and producer/supplier number for the concrete.
 2. The source, producer/supplier number, gradation, quality, and SSD weight for the proposed coarse and fine aggregates.
 3. The source, producer/supplier number, type, and weight of the proposed flyash and/or cement.
 4. The source, producer/supplier number, dosage rate or dosage of all admixtures.
 - d. After completion of Items b and c above, the mix with substantiating test data shall be forwarded to the Division of Aeronautics for approval. Once the mix has been approved the production testing shall be at the rate in Section III as specified herein.

III. PRODUCTION TESTING

- a. One set of cylinders or beams, depending on the strength specified, shall be cast for acceptance testing for each day the mix is used. In addition, at least one slump and one air test shall be conducted for each day the mix is used. If more than 100 c.y. of the mix is placed in a given day, additional tests at a frequency of 1 per 100 c.y. shall be taken for strength, slump, and air. In **no** case will concrete with a slump greater than 4 inches be allowed for use on the project.
- b. If the total proposed amount of Item 610 Structural Portland Cement Concrete as calculated by the Resident Engineer is less than 50 c.y. for the entire project, the following shall apply:
 - The Resident Engineer shall provide a copy of the calculations of the quantity of Item 610 to the Division of Aeronautics.
 - One set of cylinders or beams, depending the strength specified, shall be cast for acceptance testing.
 - One air content and one slump test shall be taken for acceptance testing.
 - In no case will concrete with a slump greater than 4 inches be allowed for use on the project.
- c. The Resident Engineer shall collect actual batch weight tickets for every batch of Item 610 concrete used for the project. The actual batch weight tickets shall be kept with the project records and shall be available upon request of the Department of Transportation.

Steven J. Long, P.E.
Acting Chief Engineer

Supersedes Policy Memorandum 96-1 dated January 1, 2003

APPENDIX 4
Policy Memorandum 2001-1
Requirements for Cold Weather Concreting
4 Pages

State of Illinois
Department of Transportation
Division of Aeronautics

POLICY MEMORANDUM

January 1, 2004

Springfield, Illinois

Number: 2001-1

TO: CONTRACTORS

SUBJECT: REQUIREMENTS FOR COLD WEATHER CONCRETING

I. PURPOSE

- A. This policy memorandum outlines the minimum requirements for cold weather concreting. Cold weather is defined as whenever the average ambient air temperature during day or night drops below 40°F.

II. COLD WEATHER CONCRETING PLAN

- A. The contractor shall submit a cold weather concreting plan to the Engineer for approval. Cold weather concreting operations are not allowed to proceed until the contractor's cold weather concreting plan has been approved by the Engineer.
- B. The contractor's plan shall be in compliance with this memorandum and shall address, as a minimum, the following:
1. Concrete Mix Manufacturing
 2. Concrete Mix Temperature Monitoring
 3. Base Preparation
 4. Concrete Curing and Protection
 5. In Place Concrete Temperature Monitoring
 6. Strength Test Specimens

III. MINIMUM REQUIREMENTS

A. Concrete Mix Manufacturing

1. The contractor must make the necessary adjustments so that the concrete temperature is maintained from 50°F to 90°F for placement. Acceptable methods include:
 - a) Heating the mixing water Note: If the mixing water is to be heated to a temperature above 100°F, the contractor must include a mixing sequence plan to indicate the order that each component of the mix is to be charged into the mixer.

- b) Heating the aggregates Note: The exact method of heating the aggregates shall be included as part of the cold weather concreting plan. Aggregates must be free of ice and frozen lumps. To avoid the possibility of a quick or flash set of the concrete, when either the water or aggregates are heated to above 100°F, they should be combined in the mixer first before the cement is added.

B. Concrete Mix Temperature

1. The contractor shall monitor the mix temperature at the plant and prior to placement in the forms. Mix that does not meet the temperature requirement of 50°F to 90°F shall be rejected for use on the project.

C. Base Preparation

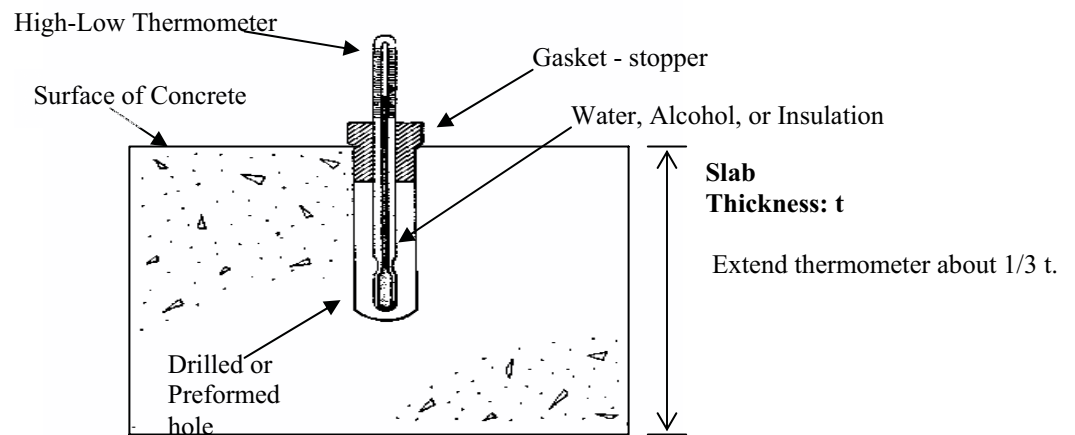
1. Paving or placing concrete on a frozen base, subbase, or subgrade is prohibited.
2. The base, subbase, or subgrade on which the concrete is to be placed shall be thawed and heated to at least 40°F. The method by which the base subbase or subgrade is to be heated shall be indicated in the contractors cold weather concreting plan. Insulating blankets or heated enclosures may be required.

D. Concrete Protection and Curing

1. In addition to the curing options available in article 501-3.17 (a) (b), (c), and (d) of the Standard Specifications for Construction of Airports, the contractor shall protect the concrete in such a manner as to maintain a concrete temperature of at least 50°F for 10 days.
2. The method of concrete protection shall be by use of insulating layer or heated enclosure around the concrete. The method of protection shall be indicated in the contractor's cold weather concreting plan. When insulating layers are to be used, the thermal resistance to heat transfer (R Value in °F*hr*ft²/BTU) of the insulation material selected, shall be appropriate for the slab thickness being constructed and shall be indicated in the cold weather concreting plan.
3. Appendix A shows a chart and table taken from the American Concrete Institute specification, ACI 306 R Cold Weather Concreting, which may be used by the contractor in selecting the proper insulation (R Value) and insulating material which may be used.

E. In-Place Concrete Temperature Monitoring

1. Once the concrete is in place, the protection method used, must ensure that the concrete temperature does not fall below 50°F for the time period specified in Section (D. 1.) of this Policy Memorandum (10 days).
2. The concrete temperature on the surface and below the surface must be monitored and recorded by the contractor for the duration of the protection period in Section (D. 1.).
3. After the concrete has hardened, surface temperature can be checked with special surface thermometers or with an ordinary thermometer that is kept covered with insulating blankets. The high and low values for each 24-hour period of protection must be measured and recorded.
4. One acceptable method of checking temperature below the concrete surface is given in the Portland Cement Association (PCA) book entitled "Design and Control of Concrete Mixtures" latest edition. The method is indicated below and it should be noted that the thermometer should be capable of recording high and low values for a given 24-hour period.



Scheme for measuring concrete temperature below the surface.

5. The exact method for surface and sub-surface concrete temperature monitoring shall be indicated in the contractor's cold weather concreting plan. The maximum permissible difference between the interior and surface temperature is 35 °F. Adjustments in protection method shall be implemented if the maximum permissible difference is exceeded.

F. Strength specimen handling

1. The Contractor is responsible for making, transporting, and curing all samples (beams or cylinders)
2. The Contractor is required to load the testing machine and dispose of the broken pieces.
3. Onsite, indoor curing facilities, meeting the requirements of ASTM C-31, shall be required for cold weather concreting operations.

4. Sampling for strength specimens shall be according to the Contract Special Provisions. Sampled concrete shall be transported to the indoor curing facilities for the casting of strength specimens.
5. The exact location and description of the curing facilities shall be indicated in the contractor's cold weather concreting plan.
6. The method of transporting concrete sampled from the grade to the curing facilities for casting shall be indicated in the contractor's cold weather concreting plan.

Steven J. Long, P.E.
Acting Chief Engineer

Supersedes Policy Memorandum 2001-1 dated January 1, 2001