If you plan to submit a bid directly to the Department of Transportation

PREQUALIFICATION

Any contractor who desires to become pre-qualified to bid on work advertised by IDOT must submit the properly completed pre-qualification forms to the Bureau of Construction no later that 4:30 p.m. prevailing time twenty-one days prior to the letting of interest. This pre-qualification requirement applies to first time contractors, contractors renewing expired ratings, contractors maintaining continuous pre-qualification or contractors requesting revised ratings. To be eligible to bid, existing pre-qualification ratings must be effective through the date of letting.

REQUESTS FOR AUTHORIZATION TO BID

Contractors downloading and/or ordering CD-ROM's and are wanting to bid on items included in a particular letting must submit the properly completed "Request for Authorization to Bid/or Not For Bid Status" (BDE 124INT) and the ORIGINAL, signed and notarized, "Affidavit of Availability" (BC 57) to the proper office no later than 4:30 p.m. prevailing time, three (3) days prior to the letting date.

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 Authorization to Bid/or Not For Bid Status"(BDE 124INT) 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.

ABOUT AUTHORIZATION TO BID: Firms that have not received an authorization form within a reasonable time of complete and correct original document submittal should contact the department as to status. This is critical in the week before the letting. These documents must be received three days before the letting date. Firms unsure as to authorization status should call the Prequalification Section of the Bureau of Construction at the number listed at the end of these instructions.

ADDENDA AND REVISIONS: It is the contractor's responsibility to determine which, if any, addenda or revisions pertain to any project they may be bidding. Failure to incorporate all relevant addenda or revisions may cause the bid to be declared unacceptable.

Each addendum will be placed with the contract number. Addenda and revisions will also be placed on the Addendum/Revision Checklist and each subscription service subscriber will be notified by e-mail of each addendum and revision issued.

The Internet is the Department's primary way of doing business. The subscription server e-mails are an added courtesy the Department provides. It is suggested that bidder check IDOT's website http://www.dot.il.gov/desenv/delett.html before submitting final bid information.

IDOT is not responsible for any e-mail related failures.

Addenda Questions may be directed to the Contracts Office at (217)782-7806 or D&Econtracts@dot.il.gov

Technical Questions about downloading these files may be directed to Tim Garman (217)524-1642 or garmantr@dot.il.gov.

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
Electronic plans and proposals	(217)524-1642

ADDENDUMS AND REVISIONS TO THE PROPOSAL FORMS

Planholders should verify that they have received and incorporated the addendum and/or revision prior to submitting their bid. Failure by the bidder to include an addendum could result in a bid being rejected as irregular.

RETURN WITH BID

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Proposal Submitted By
Name
Address
City

Letting March 9, 2007

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)

Notice To Bidders, Specifications, Proposal, Contract and Contract Bond

Illinois Department of Transportation

Springfield, Illinois 62764

Contract No. 66695
GRUNDY County
Section (32,47-4)RA-2
District 3 Construction Funds
Route FAI 80

PLEASE MARK THE APPROPRIATE BOX BELOW:

☐ A Bid Bond is included.

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

Prepared by

S

Checked by

(Printed by authority of the State of Illinois)

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.

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. To request authorization, a potential bidder must complete and submit Part B of the Request for Authorization to Bid/or Not For Bid Status form (BDE 124 INT) and submit an original Affidavit of Availability (BC 57).

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 CD-ROMS	217/782-7806

RETURN WITH BID

Illinois Department of Transportation

PROPOSAL

TO THE DEPARTMENT OF TRANSPORTATION

1. Proposal of _____

   _____

Taxpayer Identification Number (Mandatory) _____ a

for the improvement identified and advertised for bids in the Invitation for Bids as:

Contract No. 66695
GRUNDY County
Section (32,47-4)RA-2
Route FAI 80
District 3 Construction Funds

This project consists of the removal and replacement of concrete stairs and collateral work at the eastbound Three Rivers Rest Area and the installation of a water main and fire hydrants at the westbound Three Rivers Rest Area. These rest areas are located on Interstate 80 just west of the Village of Minooka.

2. The undersigned bidder will furnish all labor, material and equipment to complete the above described project in a good and workmanlike manner as provided in the contract documents provided by the Department of Transportation. This proposal will become part of the contract and the terms and conditions contained in the contract documents shall govern performance and payments.

RETURN WITH BID

3. **ASSURANCE OF EXAMINATION AND INSPECTION/WAIVER.** The undersigned further declares that he/she has carefully examined the proposal, plans, specifications, form of contract and contract bond, 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.

4. **EXECUTION OF CONTRACT AND CONTRACT BOND.** 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 bond 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.

5. **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:

Amount of Bid			Proposal Guaranty	Amount of Bid			Proposal Guaranty
Up 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 a contract bond 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 bond; otherwise, the bid bond shall become void or the proposal guaranty check shall be returned to the undersigned.

Attach Cashier's Check or Certified Check Here

In the event that one proposal guaranty check is intended to cover two or more proposals, the amount must be equal to the sum of the proposal guaranties which would be required for each individual proposal. If the guaranty check is placed in another proposal, state below where it may be found.

The proposal guaranty check will be found in the proposal for:

Item _____

Section No. _____

County _____

Mark the proposal cover sheet as to the type of proposal guaranty submitted.

BD 354 (Rev. 11/2001)

6. **COMBINATION BIDS.** The undersigned further agrees that if awarded the contract for the sections contained in the following combination, he/she will perform the work in accordance with the requirements of each individual proposal comprising the combination bid specified in the schedule below, and that the combination bid shall be prorated against each section in proportion to the bid submitted for the same. If an error is found to exist in the gross sum bid for one or more of the individual sections included in a combination, the combination bid shall be corrected as provided in the specifications.

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

7. **SCHEDULE OF PRICES.** The undersigned bidder submits herewith, in accordance with the rules and instructions, a schedule of prices for the items of work for which bids are sought. The unit prices bid are in U.S. dollars and cents, and all extensions and summations have been made. The bidder understands that the quantities appearing in the bid schedule are approximate and are provided for the purpose of obtaining a gross sum for the comparison of bids. If there is an error in the extension of the unit prices, the unit prices shall govern. Payment to the contractor awarded the contract will be made only for actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased or omitted as provided elsewhere in the contract.

8. **CERTIFICATE OF AUTHORITY.** The undersigned bidder, if a business organized under the laws of another State, assures the Department that it will furnish a copy of its certificate of authority to do business in the State of Illinois with the return of the executed contract and bond. Failure to furnish the certificate within the time provided for execution of an awarded contract may be cause for cancellation of the award and forfeiture of the proposal guaranty to the State.

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF PRICES
CONTRACT NUMBER - 66695

State Job # - C-93-020-07
PPS NBR - 3-08032-0020
County Name - GRUNDY- -
Code - 63 - -
District - 3 - -
Section Number - (32,47-4)RA-2

Project Number

Route FAI 80

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
XX000836	PRES TEST & DISINFECT	L SUM	1.000				
XX004731	CON TO EX WM	EACH	1.000				
XX004764	REM EX CONC STAIRS 1	EACH	1.000				
XX004951	CONCRETE STAIRS	L SUM	1.000				
X0300188	WATER SERV CONNECTION	L SUM	1.000				
X0321720	WATER MAIN REMOVAL	FOOT	10.000				
Z0075310	TIE BARS 3/4	EACH	100.000				
Z0077700	WOOD FENCE REM & RE-E	FOOT	10.000				
20200100	EARTH EXCAVATION	CU YD	16.000				
20400800	FURNISHED EXCAV	CU YD	10.000				
20800150	TRENCH BACKFILL	CU YD	53.000				
25000100	SEEDING CL 1	ACRE	0.070				
25000400	NITROGEN FERT NUTR	POUND	6.000				
25000500	PHOSPHORUS FERT NUTR	POUND	6.000				
25000600	POTASSIUM FERT NUTR	POUND	6.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF PRICES
CONTRACT NUMBER - 66695

State Job # - C-93-020-07
PPS NBR - 3-08032-0020
County Name - GRUNDY- -
Code - 63 - -
District - 3 - -
Section Number - (32,47-4)RA-2

Project Number

Route
FAI 80

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
25100630	EROSION CONTR BLANKET	SQ YD	330.000				
31100300	SUB GRAN MAT A 4	SQ YD	113.000				
42001200	PAVEMENT FABRIC	SQ YD	104.000				
42400300	PC CONC SIDEWALK 6	SQ FT	702.000				
44000600	SIDEWALK REM	SQ FT	752.000				
50900605	HANDRAIL REMOVAL	FOOT	50.000				
50901760	PIPE HANDRAIL	FOOT	60.000				
56103100	D I WATER MAIN 8	FOOT	206.000				
56201100	WATER SERV LINE 3	FOOT	5.000				
56201120	WATER SERV LINE 4	FOOT	115.000				
56400500	FIRE HYDNTS TO BE REM	EACH	2.000				
56400820	FIRE HYD W/AUX V & VB	EACH	1.000				
60248700	VV TA 4 DIA T1F CL	EACH	1.000				
60250100	METER VAULTS SPL	EACH	1.000				
60266910	VALVE BOX REMOVED	EACH	2.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF PRICES
CONTRACT NUMBER - 66695

State Job # - C-93-020-07
PPS NBR - 3-08032-0020
County Name - GRUNDY- -
Code - 63 - -
District - 3 - -
Section Number - (32,47-4)RA-2

Project Number

Route FAI 80

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
66502400	WOV W FENCE REM & RE	FOOT	100.000				
67100100	MOBILIZATION	L SUM	1.000				
70102640	TR CONT & PROT 701801	L SUM	1.000				

CONTRACT NUMBER **66695**

THIS IS THE TOTAL BID **$** _____

NOTES:

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

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.

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, offerors, 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.

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.

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.

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 subcontract 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.**

_____

_____

_____

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.

TO BE RETURNED 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. If a bidder is a privately held entity that is exempt from Federal 10K reporting, but has more than 400 shareholders, it may submit the information that Federal 10K companies are required to report, and list the names of any person or entity holding any ownership share that is in excess of 5%. 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 a privately held entity that is exempt from Federal 10K reporting, but has more than 400 shareholders, it may submit the information that Federal 10K companies are required to report, and list the names of any person or entity holding any ownership share that is in excess of 5%. 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 $90,420.00? YES ___ NO___
3. Does anyone in your organization receive more than $90,420.00 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 $90,420.00? 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:

_____

_____

RETURN WITH BID/OFFER

ILLINOIS DEPARTMENT OF TRANSPORTATION

Form A
Financial Information & Potential Conflicts of Interest Disclosure

Contractor Name		
Legal Address		
City, State, Zip		
Telephone Number	Email Address	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 (or equivalent if applicable) 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 $90,420.00 (60% of the Governor's salary as of 7/1/01). **(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 __

If your answer is yes, please answer each of the following questions.

1. Are you currently an officer or employee of either the Capitol Development Board or the Illinois Toll Highway Authority? Yes ___ No __

2. Are you currently appointed to or employed by any agency of the State of Illinois? If you are currently appointed to or employed by any agency of the State of Illinois, and your annual salary exceeds $90,420.00, (60% of the Governor's salary as of 7/1/01) provide the name the State agency for which you are employed and your annual salary. _____
_____

3. If you are currently appointed to or employed by any agency of the State of Illinois, and your annual salary exceeds $90,420.00, (60% of the Governor's salary as of 7/1/01) are you entitled to receive (i) more than 7 1/2% of the total distributable income of your firm, partnership, association or corporation, or (ii) an amount in excess of the salary of the Governor? Yes ___No __

4. If you are currently appointed to or employed by any agency of the State of Illinois, and your annual salary exceeds $90,420.00, (60% of the Governor's salary as of 7/1/01) are you and your spouse or minor children entitled to receive (i) more than 15 % in the aggregate of the total distributable income of your firm, partnership, association or corporation, or (ii) an amount in excess of 2 times the salary of the Governor? Yes ___No __

(b) State employment of spouse, father, mother, son, or daughter, including contractual employment services in the previous 2 years.

Yes ___No __

If your answer is yes, please answer each of the following questions.

1. Is your spouse or any minor children currently an officer or employee of the Capitol Development Board or the Illinois Toll Highway Authority? Yes ___No __

2. Is your spouse or any minor children currently appointed to or employed by any agency of the State of Illinois? If your spouse or minor children is/are currently appointed to or employed by any agency of the State of Illinois, and his/her annual salary exceeds $90,420.00, (60 % of the Governor's salary as of 7/1/01) provide the name of your spouse and/or minor children, the name of the State agency for which he/she is employed and his/her annual salary. _____
_____

3. If your spouse or any minor children is/are currently appointed to or employed by any agency of the State of Illinois, and his/her annual salary exceeds $90,420.00, (60% of the salary of the Governor as of 7/1/01) are you entitled to receive (i) more then 71/2% of the total distributable income of your firm, partnership, association or corporation, or (ii) an amount in excess of the salary of the Governor? Yes ___No __

4. If your spouse or any minor children are currently appointed to or employed by any agency of the State of Illinois, and his/her annual salary exceeds $90,420.00, (60% of the Governor's salary as of 7/1/01) are you and your spouse or minor children entitled to receive (i) more than 15 % in the aggregate of the total distributable income of your firm, partnership, association or corporation, or (ii) an amount in excess of 2 times the salary of the Governor?

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 __

(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

RETURN WITH BID/OFFER

ILLINOIS DEPARTMENT OF TRANSPORTATION

Form B
Other Contracts & Procurement Related Information Disclosure

Contractor Name		
Legal Address		
City, State, Zip		
Telephone Number	Email Address	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

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.

RETURN WITH BID

Illinois Department of Transportation

Contract No. 66695
GRUNDY County
Section (32,47-4)RA-2
Route FAI 80
District 3 Construction Funds

PART I. IDENTIFICATION

Dept. Human Rights #_____ 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

TOTAL Workforce Projection for Contract													TABLE B: CURRENT EMPLOYEES TO BE ASSIGNED TO CONTRACT			
			MINORITY EMPLOYEES						TRAINEES							
JOB CATEGORIES	TOTAL EMPLOYEES		BLACK		HISPANIC		*OTHER MINOR.		APPREN-TICES		ON THE JOB TRAINEES		TOTAL EMPLOYEES		MINORITY EMPLOYEES	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
OFFICIALS (MANAGERS)																
SUPERVISORS																
FOREMEN																
CLERICAL																
EQUIPMENT OPERATORS																
MECHANICS																
TRUCK DRIVERS																
IRONWORKERS																
CARPENTERS																
CEMENT MASONS																
ELECTRICIANS																
PIPEFITTERS, PLUMBERS																
PAINTERS																
LABORERS, SEMI-SKILLED																
LABORERS, UNSKILLED																
TOTAL																

TABLE C

TOTAL Training Projection for Contract								
EMPLOYEES IN TRAINING	TOTAL EMPLOYEES		BLACK		HISPANIC		*OTHER MINOR.	
	M	F	M	F	M	F	M	F
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 the next page

FOR DEPARTMENT USE ONLY

BC 1256 - Pg 1 (Rev. 3/98)
IL 494-0454

RETURN WITH BID

Contract No. 66695
GRUNDY County
Section (32,47-4)RA-2
Route FAI 80
District 3 Construction Funds

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

Contract No. 66695
GRUNDY County
Section (32,47-4)RA-2
Route FAI 80
District 3 Construction Funds

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 3 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 _____

By _____

Signature of Authorized Representative

_____

Typed or printed name and title of Authorized Representative

(IF A CORPORATION)

Attest _____

Signature

(IF A JOINT VENTURE, USE THIS SECTION FOR THE MANAGING PARTY AND THE SECOND PARTY SHOULD SIGN BELOW) Business Address _____

_____

Corporate Name _____

By _____

Signature of Authorized Representative

_____

Typed or printed name and title of Authorized Representative

(IF A JOINT VENTURE)

Attest _____

Signature

Business Address _____

_____

If more than two parties are in the joint venture, please attach an additional signature sheet.

RETURN WITH BID

Illinois Department of Transportation

Division of Highways
Proposal Bid Bond
(Effective November 1, 1992)

Item No. _____
Letting Date _____

KNOW ALL MEN BY THESE PRESENTS, That We _____

_____

as PRINCIPAL, and _____

_____ as SURETY, are held jointly, severally and firmly bound unto the STATE OF ILLINOIS in the penal sum of 5 percent of the total bid price, or for the amount specified in Article 102.09 of the "Standard Specifications for Road and Bridge Construction" in effect on the date of invitation for bids, whichever is the lesser sum, well and truly to be paid unto said STATE OF ILLINOIS, for the payment of which we bind ourselves, our heirs, executors, administrators, successors and assigns.

THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH, That Whereas, the PRINCIPAL has submitted a bid proposal to the STATE OF ILLINOIS, acting through the Department of Transportation, for the improvement designated by the Transportation Bulletin Item Number and Letting Date indicated above.

NOW, THEREFORE, if the Department shall accept the bid proposal of the PRINCIPAL; and if the PRINCIPAL shall, within the time and as specified in the bidding and contract documents, submit a DBE Utilization Plan that is accepted and approved by the Department; and if, after award by the Department, the PRINCIPAL shall enter into a contract in accordance with the terms of the bidding and contract documents including evidence of the required insurance coverages and providing such bond as specified with good and sufficient surety for the faithful performance of such contract and for the 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 Department the difference not to exceed the penalty hereof between the amount specified in the bid proposal and such larger amount for which the Department may contract with another party to perform the work covered by said bid proposal, then this obligation shall be null and void, otherwise, it shall remain in full force and effect.

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

In TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers this _____ day of _____ A.D., _____.

PRINCIPAL

_____
(Company Name)

By: _____
(Signature & Title)

SURETY

_____
(Company Name)

By: _____
(Signature of Attorney-in-Fact)

Notary Certification for Principal and Surety

STATE OF ILLINOIS,
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 the uses and purposes therein set forth.

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

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 unto the State of Illinois under the conditions of the bid bond as shown above.

_____ _____ _____
Electronic Bid Bond ID# Company/Bidder Name Signature and Title

PROPOSAL ENVELOPE

Illinois Department of Transportation

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 use an IDOT proposal envelope or affix this form to the front of a 10” x 13” 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 326
Illinois Department of Transportation
2300 South Dirksen Parkway
Springfield, Illinois 62764

NOTICE

Individual bids, including Bid Bond and/or supplemental information if required, should be securely stapled.

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.

Contract No. 66695
GRUNDY County
Section (32,47-4)RA-2
Route FAI 80
District 3 Construction Funds

Illinois Department of Transportation

Illinois Department of Transportation

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., March 9, 2007. 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 is identified and advertised for bids in the Invitation for Bids as:

   Contract No. 66695
   GRUNDY County
   Section (32,47-4)RA-2
   Route FAI 80
   District 3 Construction Funds

This project consists of the removal and replacement of concrete stairs and collateral work at the eastbound Three Rivers Rest Area and the installation of a water main and fire hydrants at the westbound Three Rivers Rest Area. These rest areas are located on Interstate 80 just west of the Village of Minooka.

3. **INSTRUCTIONS TO BIDDERS**. (a) This Notice, the invitation for bids, proposal and letter of award shall, together with all other documents in accordance with Article 101.09 of the Standard Specifications for Road and Bridge Construction, 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 rules, Invitation for Bids 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.

By Order of the
Illinois Department of Transportation

Timothy W. Martin, Secretary

INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2007

This index contains a listing of SUPPLEMENTAL SPECIFICATIONS and frequently used RECURRING SPECIAL PROVISIONS.

SUPPLEMENTAL SPECIFICATIONS

RECURRING SPECIAL PROVISIONS

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

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STATE OF ILLINOIS

SPECIAL PROVISIONS

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction," adopted January 1, 2007, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways," and the "Manual of Test Procedures for Materials" in effect on the date of invitation for bids, and the Supplemental Specifications and Recurring Special Provisions indicated on the Check Sheet included herein which apply to and govern the construction of FAI Route 80 (I-80), Section (32,47-4)RA-2 in Grundy County and in case of conflict with any part or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

Contract No.
66695

LOCATION OF PROJECT

This project is located on FAI Route 80 (I-80) at the eastbound and westbound Three Rivers Rest Area.

The eastbound rest area is located approximately 4.68 miles west of the Minooka Interchange.

The westbound rest area is located approximately 3.37 miles west of the Minooka Interchange.

DESCRIPTION OF PROJECT

Three Rivers Rest Area, Eastbound: remove and replace concrete stairs, remove and reset wooden fence, sidewalk removal and replacement, slope grading and shaping, seeding and other items to complete the work as described herein.

Three Rivers Rest Area, Westbound: Install 8” water main and 4” water service line, remove portions of existing 4” water main, sidewalk removal and replacement, installation of a meter vault including meter and valves, removal of existing fire hydrants and valves, installation of new fire hydrants and valves, seeding and other items to complete the work as described herein.

TRAFFIC CONTROL PLAN
(Revised August 15, 2005; Revised January 1, 2007)

Traffic control shall be in accordance with the applicable sections of the Standard Specifications for Road and Bridge Construction, the applicable guidelines contained in the Illinois Manual on Uniform Traffic Control Devices for Streets and Highways, these special provisions, and any special details and Highway Standards herein and in the plans and the Standard Specifications for Traffic Control Items.

Special attention is called to the following sections of the Standard Specifications, the Highway Standards, and the special provisions relating to traffic control:

Standard Specifications:

Section 701- Work Zone Traffic Control and Protection

Supplemental Specifications:

Highway Standards:
701801 702001

SPECIAL PROVISIONS
Public Convenience and Safety

PUBLIC CONVENIENCE AND SAFETY

Access to the rest area building facilities and grounds shall remain open at all times. The Contractor shall conduct his operations to limit the distribution to the traveling public utilizing the rest area facilities, parking areas and picnic grounds. The Contractor's vehicles and equipment shall be parked in an area designated by the Engineer during non working hours. The Contractor shall protect his work area according to applicable portions of Section 701 and 702 of the Standard Specifications and as directed by the Engineer.

HANDRAIL REMOVAL

Description. This work consists of the complete removal of the existing handrails and posts at the Eastbound Rest Area as shown on plan details.

Construction Requirements. All rails, posts, accessories shall be removed and become the property of the Contractor, and shall be disposed of off the right of way.

Method of Measurement. This work will be measured for payment as follows:

a) Contract Quantities: The requirement for use of contract quantities shall be according to Article 202.07(a) of the Standard Specifications.

b) Measured Quantities: Handrail removal shall be measured for payment in feet.

Basis of Payment. This work will be paid for at the contract unit price per foot for HANDRAIL REMOVAL, which price shall include labor and equipment to satisfactorily remove the handrails, posts, accessories and the satisfactory disposal of all materials.

REMOVAL OF EXISTING CONCRETE STAIRS

Description. This work consists of the complete removal of the existing concrete stairs at the Eastbound Rest Area as shown on plan details.

Construction. This work shall be according to applicable portions of Section 440 of the Standard Specifications, plan details and as directed by the Engineer.

The Contractor shall conduct his operations as to minimize the disturbance to the surrounding area and to the traveling public utilizing the rest area facilities.

The Contractor shall use applicable traffic control standards and other measures as directed by the Engineer to protect the traveling public from his work zone and construction operations. The Contractor shall verify that all obstructions, materials, equipment and any hazard has been removed or protected at the end of each work day.

The Contractor shall completely remove the concrete stairs and excavate existing embankment to the lines and grades as shown on plan details and as directed by the Engineer.

All removed materials, including concrete and embankment materials shall be disposed o according to Article 202.03 of the Standard Specifications.

Method of Measurement. This work will be measured for payment as follows:

a) Contract Quantities: The requirement for use of contract quantities shall be according to Article 202.07(a) of the Standard Specifications.

b) Measured Quantities: Removal of existing concrete stairs shall be measured for payment as each.

Removal of excavated material shall be measured for payment and calculated in cubic yard. The Engineer and Contractor shall agree to the volume of each truck at the point of loading before the loading begins.

Basis of Payment. This work will be paid for at the contract unit price per each for REMOVAL OF EXISTING CONCRETE STAIRS 1, which price shall include labor and equipment to satisfactorily remove the concrete stairs and the satisfactory disposal of all materials.

Excavated material shall be paid for at the contract unit price per cubic yard for EARTH EXCAVATION which price shall include all labor and equipment to excavate and grade the existing embankment to the lines and grades as shown on plan details.

PAVEMENT FABRIC

Description. This work consists of installing pavement fabric in the construction of Portland Cement Concrete Sidewalk and Concrete Stairs as shown on plan details.

Materials. Materials shall be according to the following.

Item	Article/Section
Concrete Reinforcement Bars, Fabric and Strand	1006.10

Construction Requirements. The pavement fabric shall be placed according to Section 420.08 of the Standard Specifications, as shown on plan details and as directed by the Engineer.

Placement of Reinforcement. The portland cement concrete sidewalk and concrete stairs shall be placed in two layers, the entire width of the bottom lift shall be struck off to such length and depth that the sheet of pavement fabric may be laid full length on the concrete is its final position without further manipulation. Bends or kinks in individual wires, or other irregularities, shall be corrected before the sheet is laid in the concrete. The reinforcement shall then be placed directly upon the concrete, after which the top layer of the concrete shall be placed, struck off and screeded. Any portion of the bottom layer of concrete which has been placed more than 20 minutes without being covered with the top layer shall be removed and replaced with freshly mixed concrete.

When portland cement concrete sidewalk and concrete stairs is placed in one layer, the reinforcement shall be positioned on steel chair supports according to Article 421.04(a). The pavement fabric shall be placed such that the fabric in the completed pavement will be at the location shown on the plans with a placement tolerance for individual wires of ± 1 inch horizontally and vertically. Pavement fabric shall be free from dirt, oil, paint, grease, or other materials which could impair bond with the concrete. All laps between sheets shall be held firmly together by wire or clips spaced four feet or less apart.

Method of Measurement.

This work will be measured for payment as follows:

a) Contract Quantities. The requirement for use of contract quantities shall be according to Article 202.07(a) of the Standard Specifications.

b) Measured Quantities. Pavement Fabric shall be measured for payment in place and the area calculated in square yards.

Basis of Payment. This work will be paid for at the contract unit price per square yard for PAVEMENT FABRIC, which price shall include labor, materials and equipment to satisfactorily complete this work.

PIPE HANDRAIL

Description. This work consists of the installation of pipe handrails adjacent to the concrete stairs at the Eastbound Rest Area as shown on plan details.

Material. Materials shall be according to the following.

Item	Article/Section
Aluminum for Railings	1006.30

Construction Requirements. This work shall be according to Section 509 of the Standard Specifications, as directed by the Engineer and as modified herein.

a) Revised the second paragraph of Article 509.05(d) to read:

Connection of railings to posts shall be welding. Welded joints shall be continuous, and weld surfaces shall be ground smooth. The use of fittings, couplings or unions will not be permitted.

Method of Measurement. This work will be measured for payment as follows:

a) Contract Quantities. The requirement for use of contract quantities shall be according to Article 202.07(a) of the Standard Specifications.

b) Measured Quantities. Pipe handrail shall be measured for payment in feet.

Basis of Payment. This work will be paid for at the contract unit price per foot for PIPE HANDRAIL, which price shall include labor and equipment to satisfactorily complete this work.

TIE BARS

Description. This work consists of drilling and epoxy grouting epoxy coated tie bars into existing portland cement concrete sidewalk, as shown on plan details.

Materials. Materials shall be according to the following.

Item	Article/Section
a) Concrete Reinforcement Bars, Fabric and Strand	1006.10
b) Nonshrink Grout	1024.00

Equipment. Equipment shall be according to the following.

Item
a) Drilling Machine (Note 1)

Note 1. The machine used for drilling the holes in the face of the existing concrete sidewalk shall be capable of drilling the size and depth of holes as shown on the plans.

The machine shall be equipped with a positive stop to control the depth of hole. During use, the stop shall be calibrated at least once a day. A drill support system using the sidewalk surface as a reference shall be used to assure hole alignment at mid-depth of portland cement concrete sidewalk. Hand held tools will not be allowed.

Construction Requirements. The new Portland Cement Concrete Sidewalk shall be tied to existing sidewalk wherever applicable.

Tie bars shall be #6 x 30" Epoxy Coated Reinforcement Bar, fabricated in accordance with Section 508 and Article 1006.10 of the Standard Specifications and as directed by the Engineer.

Tie bars shall be installed at 12" centers where new concrete abuts existing concrete. Tie bar holes shall be drilled as shown on the plans, and parallel to the grade and centerline with a tolerance of 1/8" in 12". The drilling operations shall not crack or spall the existing concrete pavement.

Immediately prior to grouting the tie bars, the holes shall be thoroughly cleaned of drilling debris. Dust and debris shall be blown from the hole with a power brush/blower or with compresses 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.

An approved non-shrink grout in accordance with Section 1024 of the Standard Specifications shall be used as the anchoring material for the tie bars.

The grout shall be of a consistency such that the tie bar may be easily inserted into the hole with flow completely surrounding the bar, and without appreciable runout of grout after the bar is fully inserted to the depth as described in plan details.

The grout should be thicker than the consistency recommended by the manufacturer's directions. The grout shall be injected to the back of the hole to eliminate air pockets prior to inserting the bar. The quantity of material used shall be such that the grout is dispersed along the entire length of the bar and voids are completely filled. After the material has been positioned at the back of the hole, the bar shall be fully inserted, using a back-and-forth twisting motion, leaving the proper length exposed as shown on the plans.

Method of Measurement. This work will be measured for payment as follows:

a) Contract Quantities. The requirement for use of contract quantities shall be according to Article 202.07(a) of the Standard Specifications.

b) Measured Quantities. Tie bars shall be measured for payment per each.

Basis of Payment. This work will be paid for at the contract unit price per each for TIE BARS, which price shall include labor, materials and equipment to satisfactorily complete this work.

FURNISHED EXCAVATION

The embankment adjacent to the concrete stairs at the Eastbound Rest Area and backfilled areas due to water main installation at the Westbound Rest Area shall be constructed according to Section 205 of the Standard Specifications, plan details and directed by the Engineer. The embankment material shall not be placed and compacted at moisture contents in excess of 110 percent of optimum moisture unless authorized in writing by the Engineer.

Furnished Excavation shall be obtained from outside the limits of the right of way. The top four inches (4") shall be vegetation sustaining soil subject to the approval of the engineer. The final surface of all embankment areas shall be fertilized and seeded.

The seed and fertilizer shall be according to the requirements of Section 250 of the Standard Specifications and as directed by the Engineer.

Seeded areas shall be covered with erosion control blanket according to Section 251.04 of the Standard Specifications and as directed by the Engineer.

The cost of providing vegetation sustaining soil, shaping, and compaction efforts shall not be paid separately but shall be included in the pay item for Furnished Excavation.

Method of Measurement. This work will be measured for payment as follows:

a) Contract Quantities. The requirement for use of contract quantities shall be according to Article 202.07(a) of the Standard Specifications.

b) Measured Quantities. Furnished excavation shall be measured for payment per cubic yard which shall include excavation, hauling, and placement and shall be measured by truck volume methods at the point of unloading. The Engineer and the contractor shall agree upon the volume of each truck before hauling begins.

Basis of Payment. This work will be paid for at the contract unit price per cubic yard for FURNISHED EXCAVATION, which price shall include labor, materials and equipment to satisfactorily complete this work.

CONCRETE STAIRS

Description. This work shall consist of the construction of concrete stairs at the Eastbound Rest Area.

Material. Materials shall be according to the following.

Item	Article/Section
Portland cement concrete	1020.00
Concrete reinforcement bars, fabric, and strands	1006.10
Course aggregate	1004.04

Construction Requirements. This work shall conform to the applicable portions of Section 503 of the Standard Specifications, plan details and as directed by the Engineer. The Contractor shall construct the concrete stairs to the lines and grades as shown on plan details.

The Contractor shall conduct his operations as to minimize the disturbance to the surrounding area and to the traveling pubic utilizing the rest area facilities.

The Contractor shall use applicable traffic control standards and other measures as directed by the Engineer to protect the traveling public from his work zone and construction operations. The Contractor shall verify that all obstructions, materials, equipment and any hazard has been removed or protected at the end of each work day.

All horizontal faces (treads), including a one foot strip on the sidewalk adjacent to the concrete stairs shall be painted with a 2 part slip resistant epoxy paint coating consisting of a resin, hardener and covered with aggregate to form a permanent non slip surface.

All horizontal surfaces (treads) and a one foot strip adjacent to the concrete stairs shall be covered the full width of the concrete stairs.

The non slip epoxy paint coating shall be applied uniformly with a trowel, brush or rolled and the aggregate broadcast uniformly over the covered areas.

Prior to ordering paint materials, the Contractor shall verify “color” of material with the Department’s Bureau of Operations Landscape Architect.

Known Suppliers: Interstate Products, Inc.
Phone: 1-800-474-7294

Method of Measurement. This work will be measured for payment as follows:

a) Contract Quantities. The requirement for use of contract quantities shall be according to Article 202.07(a) of the Standard Specifications.
b) Measured Quantities. Concrete Stairs shall be measured for payment per lump sum.

Pavement fabric shall be measured for payment in place and the area calculated in square yards.

Sub-base granular material shall be measured for payment in place and the area calculated in square yards.

Basis of Payment. This work shall be paid for at the contract unit price per lump sum for CONCRETE STAIRS, which price shall include all labor, materials and equipment to construct the concrete stairs as shown on plan details. Included in this price is the concrete, and non slip epoxy paint coving.

Pavement fabric shall be paid for at the contract unit price per square yard for PAVEMENT FABRIC.

Sub-base granular material shall be paid for at the contract unit price per square yard for SUB-BASE GRANULAR MATRIAL, TYPE A, 4".

WOOD FENCE TO BE REMOVED AND RE-ERECTED

Description. This work shall consist of removal and re-erection of the existing wood fence adjacent to the concrete stair reconstruction at the Eastbound Rest Area.

Construction Requirements. This work shall be according to the direction of the Engineer. The Contractor shall remove the post and rail adjacent to the concrete stair reconstruction, store the rail and post so that they are not damaged, and re-erect the post and rail after reconstruction of the concrete stairs have been completed and all forms have been removed.

When re-erected, the post shall be set in a concrete base for stabilization as directed by the Engineer, and set to the elevation of existing adjacent posts.

Method of Measurement. This work will be measured for payment as follows:

a) Contract Quantities. The requirement for use of contract quantities shall be according to Article 202.07(a) of the Standard Specifications.

b) Measured Quantities. This work shall be measured for payment and measured in feet. Length of measurement for payment shall be from center of post to center of post.

Basis of Payment. This work shall be paid for at the contract unit price per foot for WOOD FENCE TO BE REMOVED AND RE-ERECTED, which price shall include all labor, materials and equipment to remove, storing, re-erect the post and rail, concrete for post stabilization and related items to complete this work.

WOVEN WIRE FENCE TO BE REMOVED AND RE-ERECTED

Description. This work shall consist of the removal and re-erection of woven wire fence at locations where the woven wire fence conflicts with the installation of the proposed water main.

Construction Requirements. The Contractor shall temporarily remove the woven wire fence, store and re-erect the fence according to applicable portions of Section 665 of the Standard Specifications, Standard 665001 and as directed by the Engineer. If the Engineer determines that the existing woven wire fence, or any component there of is unsuitable for re-erecting, the Contractor shall replace the unsuitable component or replace the woven wire fence in its entirety. When the Contractor is instructed by the Engineer to replace unsuitable components or replace the fence in its entirety, the cost of the replacement materials shall be paid for according to Article 109.04 of the Standard Specifications.

Method of Measurement. This work will be measured for payment as follows:

a) Contract Quantities. The requirement for use of contract quantities shall be according to Article 202.07(a) of the Standard Specifications.

b) Measured Quantities. This work shall be measured for payment in feet.

Basis of Payment. This work shall be paid for at the contract unit price per foot for WOVEN WIRE FENCE TO BE REMOVED AND RE-ERECTED, which price shall include all labor, materials and equipment to complete this work.

IEPA CONSTRUCTION PERMIT

An approved Illinois Environmental Protection Agency Permit to construct new Public Water Main Extension has been submitted to the IEPA. The Superintendent of Public Works for the Village of Minooka must receive a copy of the permit authorizing construction of the water system before construction operations begin. The Contractor shall verify that an approved permit has been submitted to the Village prior to beginning construction operations.

WATERMAIN COORDINATION AND STAGING

Full time inspection may be required by the Village of Minooka, which would be performed by the Village or an authorized Village representative during the installation of water distribution system and related appurtenances including service lines. The Contractor shall notify the Village in writing one (1) week prior to beginning construction operations.

The Contractor shall coordinate all work on water main systems with the Village of Minooka. Construction shall be staged to maintain service to adjacent properties. Temporary system shutdowns shall be of short duration and have prior written approval form the Village of Minooka of the time of day and duration.

No disconnection from existing or connection to proposed water main is to be performed until the new water main is tested and placed into service and all work shall be performed prior to abandoning the existing water main. Notification of interruption of service shall be made to those affected by the Contractor a minimum of seventy-two (72) hours in advance. The affected personnel shall be notified of the time of day and duration of interruption. The Village of Minooka Public Works Department shall approve all interruptions to service in advance.

The following personnel shall be notified seventy-two (72) hours (when practical) or a minimum of twenty-four (24) hours in advance of any interruption of water service to the rest area facilities.

Village of Minooka Public Works Department
Superintendent: Rob Tonarelli
Office Phone: (815) 467-8868

Business Consultant for Vendors
John Reed
Cell Phone: (630) 721-6708
Office Phone: (312) 633-1762

Eastbound Rest Area Snack Vendor
Charlie Stolzenbach
Cell Phone: (708) 670-3609

Westbound Rest Area Snack Vendor
Mike & Dorey Campbell
Cell Phone: (773) 620-4028
Cell Phone: (773) 791-3698
Home Phone: (815) 513-5027

Westbound Rest Areas Vendor's Room
(815) 467-1909

Rest Area Cleaning Services
Sertoma Centre, Inc.
Ike Riley
Office Phone: (708) 371-9700, Ext. 251
Cell Phone: (708) 334-9874
On-Site Coordinator, Marsha Vanderwhite

CLEARING

The existing shrubs adjacent to the north side of the building at the Westbound Rest Area shall be removed prior to the Contractor beginning his construction operations and replaced after all work has been completed with the water main work including backfilling.

The Contractor shall notify the Department's Bureau of Operations, Landscape Architect one (1) week in advance of beginning his construction operations. Department personnel shall remove the shrubs within the water main construction area adjacent to the building and store the shrubs at a Department facility.

The Contractor shall notify the Department's Landscape Architect one (1) week in advance of finalizing his construction operations to notify the Department's Landscape personnel of the date all water main work shall be concluded including backfilling, fertilizing and seeding efforts. Department personnel shall replace the removed shrubs.

This work shall not be paid for separately but shall be included in the various removal items.

Contact personnel are:

Kathy Cindrich
Phone: (815) 434-8445
Cell Phone: (815) 970-5924

Tom Hufnagel
Phone: (815) 434-8418
Cell Phone: (815) 739-2497

FIRE HYDRANT TO BE REMOVED

Description. This work consists of the satisfactory removal of the existing fire hydrants and components and the satisfactory disposal of all removed materials as shown on plan details.

Construction Requirements. The Contractor shall remove the fire hydrants and their components in such a manner that no damage occurs to the hydrant or any of its components. If the hydrant or any of its components sustains damage due to the Contractors operations, the damaged component shall be replaced at the Contractor's expense. If the hydrant or its components sustains damage not due to the Contractor's operations or has deteriorated beyond use, the hydrant or component shall be replaced at the Department's expense and shall be paid for according to Article 109.04 of the Standard Specifications.

The fire hydrant and its components that is outside the limits of the Department's right of way shall be removed and returned to the Village of Minooka's Superintendent of Public Works. The Contractor shall notify the Village Superintendent one (1) week prior to the removal of the fire hydrant and its components to make arrangements for the delivery of the hydrant and its components.

Contact person: Rob Tonarelli
Phone: (815) 467-8868.

The fire hydrant and its components that is within the limits of the Department's right of way shall be removed and returned to the Department. The Contractor shall notify the Department one (1) week prior to the removal of the fire hydrant and its components to make arrangements for the delivery of the hydrant and its components.

Contact Person: Tom Hufnagel
Phone: (815) 434-8418
Cell Phone: (815) 739-2497

Method of Measurement.

This work will be measured for payment as follows:

a) Contract Quantities. The requirement for use of contract quantities shall be according to Article 202.07(a) of the Standard Specifications.

b) Measured Quantities. Removal of the fire hydrants and their components shall be measured for payment as each.

Basis of Payment. This work will be paid for at the contract unit price per each for FIRE HYDRANT TO BE REMOVED, which price shall include all labor and equipment to satisfactorily remove the fire hydrants and their components and shall include the cost of transporting to their destination.

VALVE BOXES TO BE REMOVED

Description. This work consists of the satisfactory removal of the existing valve boxes including valves and components and the satisfactory disposal of all remove materials as shown on plan details.

Construction Requirements. The Contractor shall remove the valve boxes, valves and components in such a manner that no damage occurs to the valve boxes, valves and components. If the valve box, valve or any of its components sustains damage *due* to the Contractor's operations, the damaged component shall be replaced at the Contractor's expense. If the valve box, valve or any of its components sustains damage *not due* to the Contractor's operations or has deteriorated beyond use, the hydrant or component shall be replaced at the Department's expense and shall be paid for according to Article 109.04 of the Standard Specifications.

The valve box, valve or any of its components that are outside the limits of the Department's right of way shall be removed and returned to the Village of Minooka's Superintendent of Public Works. The Contractor shall notify the Superintendent one (1) week prior to the removal of the valve box, valve or any of its components to make arrangements for the delivery of the valve box, valve or any of its components.

Contact Person: Rob Tonarelli
Phone: (815) 467-8868.

The valve box, valve or any of its components that is within the limits of the Department's right of way shall be removed and returned to the Department. The Contractor shall notify the Department one (1) week prior to the removal of the valve box, valve or any of its components to make arrangements for the delivery of the valve box, valve and components.

Contact Person: Tom Hufnagel
Phone: (815) 434-8418
Cell Phone: (815) 739-2497

Method of Measurement.

This work will be measured for payment as follows:

a) Contract Quantities. The requirement for use of contract quantities shall be according to Article 202.07(a) of the Standard Specifications.

b) Measured Quantities. Removal of the valve box, valve and components shall be measured for payment as each.

Basis of Payment. This work will be paid for at the contract unit price per each for VALVE BOXES TO BE REMOVED, which price shall include all labor and equipment to satisfactorily remove the valve box, valve, components and shall include the cost of transporting to their destination.

WATER MAIN REMOVAL

Description. This work consists of the satisfactory removal of the existing four inch (4") water main and fittings including elbows and tees and the satisfactory disposal of all removed materials as shown on plan details.

Construction Requirements. Currently the shut off valves and water meter for the existing four inch (4") water main is located on the south side of the eastbound lanes adjacent to the eastern most entrance to the trailer park (Central Avenue) directly south of the westbound rest area. The eastern most valve (for westbound rest area) shall be closed. The existing four inch (4") water main pipe extending from the westbound lane shut off valve shall be cut at a distance of five feet (5') and ten feet (10') from the valve and this cut section shall be removed. The remaining four inch (4") water main pipe shall be plugged (at both cuts) and sealed a minimum of one foot (1') with Class SI Concrete or equal material approved by the Engineer.

In addition, wherever existing four inch (4") water main conflicts with proposed eight inch (8") water main, the existing four inch (4") water main pipe shall be cut a minimum of two feet (2') clearance (in all directions) from the proposed eight inch (8") water main pipe. The existing four inch (4") water main pipe shall be plugged at each cut and sealed a minimum of two feet (2') with Class SI Concrete or equal material approved by the Engineer.

The remaining existing four inch (4") water main pipe that is not designated for removal shall be left in place and abandoned.

Method of Measurement.

This work will be measured for payment as follows:

a) Contract Quantities. The requirement for use of contract quantities shall be according to Article 202.07(a) of the Standard Specifications.

b) Measured Quantities. Water main removal shall be measured for payment per foot of actual pipe removed.

Basis of Payment. This work will be paid for at the contract unit price per foot for WATERMAIN REMOVAL, which price shall include all labor and equipment to satisfactorily remove the existing four inch (4") water main pipe, and shall include the cost of excavating, backfilling and all Class SI Concrete used to plug the existing water main.

WATER DISTRIBUTION SYSTEM

Specification references made herein for manufactured materials such as pipe, hydrants, valves and fittings refer to designations for American Water Works Association (AWWA), or to American National Standards Institute (ANSI), as they are effective on the date of BIDS. Copies of these publications may be obtained at normal cost from the American Water Works Association, 6666 West Quincy Avenue, Denver, Colorado 80235 and from the American National Standards Institute, 1430 Broadway, New York, New York 10018.

DUCTILE WATER MAIN 8", WATER SERVICE LINE 3" AND 4"

Description. This work shall consist of installing a ductile iron water main to the lines and grades as shown on plan details.

General. Water main pipe shall be installed in accordance with the manufacturer's specifications and instructions for the type of pipe used and applicable AWWA Standards, such as C600 and C603, and as modified herein.

Material. Pipe for water main shall be as follows.

Ductile Iron Pipe (DIP) shall conform to ANSI A 21.51 (AWWA C151), Class 52 or thickness designed per ANSI A 21.50 (AWWA C150), tar (seal) coated and cement lined conforming to AWWA C104. The water main pipe shall have a minimum working pressure of 150 psi.

All ductile iron fittings, joints, three (3) through forty-eight (48) inch shall be pressure slip jointed conforming to AWWA C153, AWWA C111 or ANSI/AWWA C110 and shall be bituminous coated with cement lining conforming to AWWA C104, except gaskets shall be neoprene or other synthetic rubber and shall be pressure rated in accordance with ASTM D3139 and approved by the Village of Minooka's Public Works Superintendent.

Jointed Rubber Gasket Joint Pipe (AWWA C111). The inside of the bell shall be thoroughly cleaned to remove all foreign matter from the joints. The circular rubber gasket shall be inserted in the gasket seat provided.

A thin film of gasket lubricant shall be applied to the inside surface of the gasket. Gasket lubricant shall be a solution supplied by the pipe manufacturer and approved by the Engineer.

The spigot end of the pipe shall be cleaned and entered into the rubber gasket in the bell, using care to keep the joint from contacting the ground. The joint shall then be completed by forcing the plain end into the seat of the bell. Pipe which is not furnished with a depth mark shall be marked before assembly to assure that the spigot end is inserted to the full depth of the joint.

Field cut pipe lengths shall be beveled to avoid damage to the gasket and facilitate making the joint.

Where it is necessary or indicated in the Special Provisions to insure electrical conductivity on cast or ductile iron water mains, brass wedges shall be installed as follows:

PIPE SIZE	WEDGES REQUIRED
2" through 12" (51 mm – 305 mm)	2 each (180° apart)
Above 12" (+305 mm)	2 pair of 2 each (180° apart)

Caldweld bonding, as approved or specified by the Engineer, may also be utilized.

Construction Requirements. This work shall be according to Section 561 of the Standard Specifications, Standard Specifications for Water and Sewer Main Construction in Illinois (May 1996 Fifth Edition), American Water Works Associations (AWWA), American National Standards Institute (ANSI), plan details and as directed by the Engineer.

The Contractor shall excavate to the lines and grades as shown on plan details and install the water main pipe on a prepared sub-base according to plan details and as directed by the Engineer. The Contractor shall exercise care during water main installation operations so that minimal damage is incurred to the adjacent landscape (trees, shrubs, concrete slabs, sidewalk, etc.). If damage is incurred by landscape that is not designated to be removed, the Contractor shall repair or replace the damaged item at his/her expense.

Handling of Pipe. All types of pipe shall be handled is such a manner as will prevent damage to the pipe or coating. Accidental damage to pipe or coating shall be repaired to the satisfaction of the Engineer or be removed from the job and methods of handling shall be corrected to prevent further damage when called to the attention of the Contractor.

The pipe and fittings shall be inspected by the Contractor for defects while suspended above grade.

Dirt or other foreign material shall be prevented from entering the pipe or pipe joint during handling or laying operations and any pipe or fitting that has been installed with dirt or foreign materials in it shall be removed, cleaned and relaid. At times when pipe laying is not in progress, the open ends of the pipe shall be closed by a watertight plug or by other means approved by the Engineer to ensure cleanliness inside the pipe.

Thrust Blocks. All bends in the water main pipe shall be reinforced with thrust blocks. Thrust blocks shall conform to the Special Provision for Thrust Blocks as provided elsewhere in the plans and as directed by the Engineer.

Backfilling. The water main shall not be backfilled until all pressure testing, disinfecting and flushing requirements have been met. Backfill material shall be material excavated from the trench unless the Engineer deems the excavated material is unsuitable for backfill. When necessary, new backfill material shall be placed according to the Special Provision for Furnished Excavation.

Water Main and Sewers. Water mains shall be protected from sanitary sewers, storm sewers, combined sewers and drains as follows.

Horizontal Separation – water main, water service lines and sewers.

The water main shall be located at least ten (10) feet horizontally from any existing or proposed drain, storm sewer, combined sewer or sewer service connection.

1) Water main may be located closer than ten (10) feet to a sewer line when:

a) local conditions prevent a lateral separation of ten (10) feet and

b) the water main invert is at least eighteen (18) inches above the crown of the sewer

c) the water main is either in a separate trench or in the same trench on an undisturbed earth shelf located to one side of the sewer.

2) When it is impossible to meet (1) or (2) above, both the water main and drain or sewer shall be constructed of slip-on or mechanical joint cast or ductile iron pipe, prestressed concrete pipe, or PVC pipe equivalent to water main standards or construction. The drain or sewer shall be pressure tested to the maximum expected surcharge head before backfilling. See Standard Drawing No. 18.

Vertical separation – water main, water service lines and sewers.

1) A water main shall be separated from a sewer so that its invert is a minimum of eighteen (18) inches above the crown of the drain or sewer whenever water mains cross storm sewers, sanitary sewers or sewer service connections. The vertical separation shall be maintained for that portion of the water main located within ten (10) feet horizontally of any sewer or drain crossed. A length of water main pipe shall be centered over the sewer to be crossed with joints equidistant from the sewer or drain.

2) Both the water main and sewer shall be constructed of slip-on or mechanical joint cast or ductile iron pipe, prestressed concrete pipe, or PVC pipe equivalent to water main standards of construction when:

a) it is impossible to obtain the proper vertical separation as described in (1) above or

b) the water main passes under a sewer or drain

3) A vertical separation of eighteen (18) inches between the invert of the sewer or drain and the crown of the water main shall be maintained where a water main crosses under a sewer. Support the sewer or drain lines to prevent settling and breaking the water main, as shown on the plans or as approved by the Engineer.

4) Construction shall extend on each side of the crossing until the perpendicular distance from the water main to the sewer or drain line is at least ten (10) feet.

Dewatering of Trench. Where water is encountered in the trench, it shall be removed during pipe-laying and jointing operations. Provisions shall be made to prevent floating of the pipe. Trench water shall not be allowed to enter the pipe at any time.

Method of Measurement. This work will be measured for payment as follows:

a) Contract Quantities. The requirement for use of contract quantities shall be according to Article 202.07(a) of the Standard Specifications.

b) Measured Quantities. This work shall be measured for payment in place in feet. The length measured shall include stops, fittings, valves and meter.

Prepared sub-base for water main shall be measured in place and the volume calculated in cubic yards.

Excavation and backfilling shall not be measured for payment.

Basis of Payment. This work will be paid for at the contract unit price per foot for DUCTILE IRON WATER MAIN 8", per foot for WATER SERVICE LINE 3" and per foot for WATER SERVICE LINE 4" which price shall include labor, materials and equipment to satisfactorily complete this work.

Prepared sub-base shall be paid for at the contract unit price per cubic yard for TRENCH BACKFILL which price shall include labor, materials and equipment to satisfactorily complete this work.

FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX

Description. This work shall consist of installing fire hydrants with valve boxes and gate valves as shown on plan details.

FIRE HYDRANTS.

Fire Hydrants. This work shall conform to the applicable portions of Section 564 of the Standard Specifications, the AWWA Standard C502 for dry barrel fire hydrants, Section 564 of the Standard Specifications and as modified herein.

Fire Hydrants shall be "Clow Medallion" or equal approved by the Village of Minooka's Public Works Superintendent.

Hydrants shall be of a manufacture and pattern approved by the Village of Minooka's Public Works Superintendent. The name or mark of the manufacturer, size of valve opening, and year of manufacture shall be clearly cast in raised letters on the upper barrel section above finished grade.

Hydrants shall be designed for a working pressure of one hundred and fifty (150) psi and equipped with not less than two (2) O-ring stem seals. Hydrant body castings shall be manufactured of cast iron or ductile iron. The lower barrel section, elbow (shoe) casting, and flanges below grade shall be either cast iron or ductile iron.

Hydrants shall be internally mounted with approved non-corrodible metals and in such a way that parts working together shall not both be iron or steel. Consideration shall be given to type of bronze used where high galvanic waters (high pH or specific conductance) is present.

All wearing and working internal parts shall be accurately machined, easily renewable, and shall be removable through the top of the hydrant.

Lugs, if required for harnessing the hydrant to the connecting pipe from the main in the street, shall be provided on the bell of the elbow or on the hydrant bottom casting. A drawing of the lug construction shall be submitted for approval on request of the Engineer.

The hydrant barrel shall be provided with a clearly marked circumferential rib to denote the intended ground line. There shall be a flange above this point at a sufficient height to permit access to the flange. Unless indicated otherwise on Plans, hydrants shall be of the "traffic" or "break-away" design with easily replaceable breaking devices for the gradeline flange and operating stem that prevent damage to barrel sections upon impact.

When tested in accordance with AWWA C502, friction losses through the hydrant shall not exceed the maximum permissible losses listed in Table 3, AWWA C502.

All fire hydrants shall have a five and one quarter (5 ¼") inch main valve opening. The hydrant shall be for a six foot (6') bury depth. The hydrant shall have two (2) two and one half inch (2 ½") hose connections and one (1) four and one half inch (4 ½") connection. Threads shall be national standard. Hydrant shoes shall be six inch (6") swivel anchoring coupling. Hydrant tees shall be used in lieu of swivel anchoring coupling pipe when necessary.

The hydrant shall open by turning to the left (counter clockwise) and the direction of opening shall be permanently and clearly marked on the bonnet assembly near the operating nut.

All nozzles shall be furnished with inside threaded cast iron caps fitted with suitable gaskets for positive water tightness under test pressure. Operations extension nut and nozzle cap wrench nuts shall be one and one half (1 ½") inch pentagon, measured from point to opposite flat at the base, tapering uniformly to one and seven sixteenth (1 7/16") inch at the top, and the height of the nut shall be not less than one (1) inch. Nozzle caps shall be securely chained to the upper barrel section.

Factory Hydrostatic Test. Before the hydrant is painted at the factory, it shall be subjected to an internal hydrostatic test of four hundred (400) pounds per square inch or twice the rated working pressure, whichever is greater, with the hydrant valve in closed position and again with the hydrant valve in an open position.

All iron parts of the hydrant both inside and outside shall be thoroughly cleaned and painted in accordance with Section 4.2 of AWWA C502. All interior ferrous surfaces below the main valve shall be coated with two (2) suitable epoxy coatings which comply with AWWA C550.

The outside of the hydrant above the finished ground line shall be thoroughly cleaned and thereafter painted with one coat of primer of a durable composition, and one additional coat of a color specified by the Village of Minooka's Public Works Superintendent.

Construction Requirements. Hydrants shall be installed at the locations as shown on the plans.

Following proper procedures ensures correct installation and later a lower maintenance cost. Refer to AWWA C600, Standard for Installation of Ductile-Iron Water Mains and Their Appurtenances, for detailed description of proper installation and testing methods. The following recommendations are in accordance with AWWA C600:

a) Connect fire hydrants only to water mains adequately sized to handle fire flows.

b) Install hydrants as plumb as possible.

c) Locate fire hydrants in accordance with the local fire code or the local fire authority.

d) Where no fire code or authority exists, install hydrants away from the curb far enough to avoid damage from or to vehicles as they turn. The recommended set-back is two (2') feet (0.6 m) minimum from the face of the curb to the point on the hydrant nearest to the curb.

e) The pumper outlet nozzle should face the street in order to provide a quick connection to the fire pumper.

f) Make sure that the outlet nozzles are high enough (at least twelve (12) inches (30 mm) above the ground line to allow for attachment of hoses and operation of the hydrant wrench. There should be no obstructions that prevent or retard hydrant operation or hinder removal of outlet-nozzle caps.

g) Always install an auxiliary valve between the hydrant and the supply main to permit isolation of the hydrant for maintenance purposes.

h) Provide thrust restraint for the auxiliary valve so that the hydrant may be removed without shutting down the main.

i) Remove foreign matter from the hydrant lead before installing the auxiliary valve and hydrant.

j) Locate the auxiliary valve as close to the main as possible.

k) In setting a hydrant, use a firm footing, such as stone slabs or a concrete base on firm ground, to prevent settling and strain on the hydrant lead joints.

l) Provide for thrust restraint of the hydrant by strapping, blocking, or using a restraining type of joint.

m) When pouring thrust blocks for dry-barrel hydrants with drains, exercise care not to plug or block the drain holes.

n) Install traffic hydrants with extra care to ensure that there is adequate soil resistance to avoid transmitting shock to the hydrant's lower barrel and

hydrant inlet. In loose or poor load-bearing soil it is suggested that a concrete collar, about six (6) inches (150 mm) thick, with a diameter of two (2) feet (0.6 m), be installed around the hydrant lower barrel at or near the ground line. When installing hydrants on a PVC main, the concrete collar is of extra importance. In areas of substantial frost penetration, expansion joint material should be placed between the hydrant and the collar.

o) When installing hydrants on PVC mains, the hydrant lead should be made of the same material as the main. This will help to protect the main from damage if the hydrant is hit during a traffic accident. (If the breakable portion of the hydrant fails to function properly, the hydrant lead could be broken. If the hydrant lead was ductile cast iron and the main line was PVC, the main could be damaged).

p) Provide for drainage from dry-barrel hydrants. One acceptable method is to excavate the area around the hydrant base, then place one third (1/3) cubic yards of clean stone to a level of six inches (6") above the drain outlet. The stone should extend at least one (1') foot on all sides of the hydrant. To keep the drainage pit from clogging, the stone should be covered with eight (8) mil polyethylene or similar waterproof material before backfilling. This practice permits ready hydrant drainage after use.

q) When a hydrant is installed in an area with a high water table, it may be necessary to plug the drain outlets.

r) Hydrants with plugged drain outlets must be marked and pumped dry after each use in order to protect them from freezing.

s) Do not connect hydrant drains to a sanitary sewer or storm sewer.

t) In rural areas where no curb exists, use large setbacks or other means to protect hydrants from traffic, always being sure that the hydrant is accessible to firefighting equipment.

u) The adoption of a color scheme to indicate flow capacity is optional. However, if such a scheme is to be used, the uniform color coding system shown in the table below is recommended. According to this system, hydrant tops and caps are painted to indicate the hydrant's expected flow rate. This color scheme is consistent with National Fire Protection Association (NFPA) 291, Fire Flow Testing and Marking of Hydrants.

v) Hydrants must be highly visible and unobstructed at all times. Therefore, whether or not a color code is used, hydrants should be painted with colors that are easily visible both day and night.

w) Hydrants installed as part of new main construction can be disinfected by opening and closing the main valve during the disinfection of the main. The hydrant should be flushed after disinfection of the main valve to remove the high concentration of chlorine solution.

x) Hydrants installed on an existing main should be disinfected before - installation. This may be accomplished by spraying a solution of 300 mg/L chlorine into the hydrant inlet and through the outlet-nozzle openings. The chlorine solution should be flushed from the hydrant immediately after installation.

y) Foreign material may have been left in newly laid lines or hydrant leads. This material can damage valves and valve seats and also affect the results of pressure tests. After backfilling and before disinfecting the main, operate the hydrant to flush out any foreign material.

COLOR SCHEME TO INDICATE FLOW CAPACITY

Flow Gpm at 20 psig	(L/s at 140 kPa)	Color
Greater than 1000	(60)	Green
500 – 1000	(30 – 60)	Orange
Less than 500	(30)	Red

* This is the calculated flow at a calculated residual of 20 psi and with the actual residual on an adjacent nonflowing hydrant being 40 psi or greater. When the actual observed residual on the adjacent nonflowing hydrant is less than 40 psi, the color scheme should be based on one half of the observed flow. An alternative scheme for color coding may be related to the size of the water main supplying the hydrant.

VALVE BOXES.

Valve boxes. Valve boxes shall be as follows.

a) Valve boxes shall be adjustable, 2-piece cast iron; five and one quarter inch (5 ¼") shaft roadway-type and no-tilt drop cover with "Water" cast into it.

b) Valve box extensions shall be center screw type extension threaded male at the top and female at the bottom. The extension shall be compatible with the five and one quarter (5 ¼") valve box.

c) Valve box stabilize of PVC manufacturer by Valve Box Stabilizer, Inc. or stabilizer of rubber by Valve Box Adapter II manufactured by Adaptor, Inc. for six inch (6") through ten inch (10") valves shall be provided.

d) Valve box must have additional upward or downward travel when adjusted to finish grade.

GATE VALVES.

Gate Valves. Gate valves shall be manufactured by “Clow” or equally approved by the Village of Minooka’s Public Works Superintendent. Gate valves shall be mechanical joint resilient wedge gate valves. Gate valves shall be Cast iron, bronze mounted, O-ring seal and bronze non-rising stems. Gate valves shall open left and be tested to 500 psi with a 250 psi working pressure. The valves shall be suitable for ordinary waterworks service, intended to be installed in a normal position on buried pipe lines for water distribution systems.

The minimum requirements for all gate valves shall, in design, shell wall thickness, material and workmanship, conform to the standards of latest AWWA C500 and AWWA C509 for resilient-seated gate valves. All materials used in the manufacture of waterworks gate valves shall conform to the AWWA standards designed for each material listed.

Materials:

Manufacturing and Marking. The gate valves shall be standard pattern and shall have the name or mark of the manufacturer, size and working pressure plainly cast in raised letter on the valve body.

Type and Mounting. The valve bodies shall be cast iron, mounted with approved non-corrosive metals. All wearing surfaces shall be bronze or other approved non-corrosive material and there shall be no moving bearing or contact surfaces of iron in contact with iron. Contact surfaces shall be machined and finished in the best workmanlike manner, and all wearing surfaces shall be easily renewable.

All gate valves shall be two-faces, non-rising stem, double disc, with parallel seats of bronze or other approved wedging devices placed between them. The stem shall be of high tensile strength bronze or other approved non-corrosive metal. All nonferrous bushings shall be of substantial thickness tightly fitted and pressed into machined seats. All valves shall open by turning to the left counter-clockwise, unless otherwise specified. Consideration shall be given to types of bronze used where high galvanic waters (high pH or specific conductance) are present. See AWWA C500, Paragraph 2.2.3.4 and AWWA C509 paragraph 2.2.4.4.

End Connections. End connections of gate valves shall consist of Mechanical Joints with Mega Lug Retainer Glands.

Gate Valve Stem Seals. All gate valves shall be furnished with three (3) pressure actuated O-ring stem seals, with one (1) O-ring below the stem thrust collar and bearing surfaces and two (2) O-ring above. The area between the O-rings shall be filled with a lubricant to give continuous lubrication to the stem collar and bearing surfaces so as to provide long-term ease of operation.

Wrench Nuts. Wrench nuts shall be made of cast iron and shall be one and fifteen-sixteenths (1 15/16") inches square at the top, two (2") inches square at the base, one and three-fourths (1 ¾") inches high, unless otherwise designated in the Special Provisions. Nuts shall have a flanged base upon which shall be cast an arrow at least two (2") inches long showing the direction of opening. The word "Open" in one-half (1/2") inch or larger letters shall be cast on the nut to clearly indicate the direction of opening the valve.

Hydrostatic Pressure at Factory. Test each gate valve shall be tested at the factory for performance and operation prior to painting and shall be subjected to the following hydrostatic pressure tests: each three (3") inch to twelve (12") inch valve, inclusive, shall be subjected to hydrostatic pressure test under pressures of both three hundred (300) psi and one hundred seventy-five (175) psi. These tests shall be conducted in accordance with provisions of AWWA C500 and/or AWWA C509.

Painting at Factory. Before leaving the factory, all ferrous parts of the valves except finished or bearing surfaces shall be painted inside and out as specified in Section 3.21 in AWWA C500 and Section 5.2 of AWWA C509.

Installation of Gate Valves. All gate valves shall be inspected upon delivery in the field to insure proper working order before installation. They shall be set and jointed to the pipe in the manner as set forth in the AWWA Standards for the type of connection ends furnished.

Valves twelve (12") inches and under shall be installed in a vertical position and be provided with a standard valve vault or cast iron valve box so arranged that no shock will be transmitted to the valve. The box shall be vertically centered over the operating nut, and the cast iron box cover shall be set flush with the road bed or finished surface.

After installation, all valves shall be subjected to the field test for piping. Should any defects in materials or workmanship appear during these tests, the Contractor shall correct such defects with the least possible delay and to the satisfaction of the Engineer. Should the Contractor fail to do this within a reasonable period of time in the judgment of the Engineer, he may cause such defects to be corrected and deduct the cost thereof from any money or payments due or to become due the Contractor. Refer to Appendix A of AWWA C500 and/or AWWA C509.

Method of Measurement.

This work will be measured for payment as follows:

a) Contract Quantities. The requirement for use of contract quantities shall be according to Article 202.07(a) of the Standard Specifications.

b) Measured Quantities. This work shall be measured for payment per each.

Basis of Payment. This work shall be paid for at the contract unit price per each for FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX, which price shall include all labor, materials and equipment, including excavating, backfilling, fire hydrant, valve box, gate valve, operating nut extension, thrust block, course aggregate and all fittings to complete this work.

VALVE VAULT TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID

Description. This work consists of the installation of a valve vault and gate valve as shown on plan details.

Construction Requirements. This work shall conform to the requirements of Section 602 of the Standard Specifications, plan details, as directed by the Engineer and as modified herein.

VALVE VAULT

Valve vault. Valve vaults shall be required for eight inch (8") of large valves.

a) All valve vaults shall be precast reinforced concrete only.

b) All valve vaults shall have no more than two (2) adjusting rings with a minimum of four inches (4") and a maximum of twelve inches (12") of adjustable rings.

c) Rubber adjusting rings are required for any rings that are two inches (2") in thickness, or less.

d) All lifting holes, joints between precast reinforced concrete sections, gaps between pipes and structures shall be tuckpointed with hydraulic cement.

e) All castings shall be set on bitumastic material.

f) Bitumastic materials shall be placed between precast reinforced concrete sections.

g) All valve vaults shall have neoprene coated or fiberglass steps.

h) Valve vaults shall use a NEENAH FRAME AND LID with "Water" cast on lid or an "East Jordan Iron Works" frame and lid with "Water" cast on lid.

i) Valve operating nuts shall be accessible through the frame and lids.

j) All valve vaults shall be set on a six inch (6") granular bedding.

GATE VALVES

Gate Valves. Gate valves shall be manufactured by "Clow" or equal approved by the Village of Minooka's Public Works Superintendent. Gate valves shall be mechanical joint resilient wedge gate valves. Gate valves shall be cast iron, bronze mounted, O-ring seal and bronze non-rising stems. Gate valves shall be suitable for ordinary waterworks service, intended to be installed in a normal position on buried pipe lines for water distribution systems.

The minimum requirements for all gate valves shall, in design, shell wall thickness, material and workmanship, conform to the standards of the latest AWWA C500 and AWWA C509 for resilient-seated gate valves. All materials used in the manufacture of waterworks gate valves shall conform to the AWWA standards designed for each material listed.

Materials:

Manufacturing and Marking. The gate valves shall be standard pattern and shall have the name or mark of the manufacturer, size and working pressure plainly cast in raised letter on the valve body.

Type and Mounting. The valve bodies shall be cast iron, mounted with approved non-corrosive metals. All wearing surfaces shall be bronze or other approved non-corrosive material and there shall be no moving bearing or contact surfaces of iron in contact with iron. Contact surfaces shall be machined and finished in the best workmanship manner, and all wearing surfaces shall be easily renewable.

Gate valves shall be two-faced, non-rising stem, double disc, parallel seats of bronze or other approved wedging devices placed between them with hand wheel. The stem shall be of high tensile strength bronze or other approved non-corrosive metal. All nonferrous busing shall be of substantial thickness tightly fitted and pressed into machined seats. All valves shall open by turning to the left counter-clockwise, unless otherwise specified. Consideration shall be given to types of bronze used where high galvanic waters (high pH or specific conductance) are present. See AWWA C500, Paragraph 2.2.3.4 and AWWA C509 paragraph 2.2.4.4.

End Connections. End connections of gate valves shall consist of Mechanical Joints with Mega Lug Retainer Glands.

Gate Valve Stem Seals. All gate valves shall be furnished with three (3) pressure actuated O-ring stem seals, with one (1) O-ring below the stem thrust collar and bearing surfaces and two (2) O-ring above. The area between the O-ring shall be filled with a lubricant to give continuous lubrication to the stem collar and bearing surfaces so as to provide long-term ease of operation.

Wrench Nuts. Wrench nuts shall be made of cast iron and shall be one and fifteen-sixteenths (1 15/16) inches square at the top, two (2”) inches square at the base, one and three-fourths (1 ¾) inches high, unless otherwise designated in the Special Provisions. Nuts shall have a flanged base upon which shall be cast an arrow at least two (2”) inches long showing the direction of opening. The word “Open” in one-half (1/2) inch or larger letters shall be cast on the nut to clearly indicate the direction of opening the valve.

Hydrostatic Pressure at Factory. Test each gate valve shall be tested at the factory for performance and operation prior to painting and shall be subjected to the following hydrostatic pressure tests: each three (3”) inch to twelve (12”) inch valve, inclusive, shall be subjected to hydrostatic pressure test under pressures of both three hundred (300) psi and one-hundred seventy-five (175) psi. These tests shall be conducted in accordance with provisions of AWWA C500 and/or AWWA C509.

Painting at Factory. Before leaving the factory, all ferrous parts of the valves except finished or bearing surfaces shall be painted inside and out as specified in Section 3.21 in AWWA C500 and Section 5.2 of AWWA C509.

Installation of Gate Valves. All gate valves shall be inspected upon delivery in the field to insure proper working order before installation. They shall be set and jointed to the pipe in the manner as set forth in the AWWA Standards for the type of connection ends furnished.

Valves twelve (12) inch and under shall be installed in a vertical position and be provided with a standard valve vault or cast iron valve box so arranged that no shock will be transmitted to the valve. The box shall be vertically centered over the operating nut, and the cast iron box cover shall be set flush with the road bed or finished surface.

After installation, all valves shall be subjected to the field test for piping. Should any defects in materials or workmanship appear during these tests, the Contractor shall correct such defects with the least possible delay and to the satisfaction of the Engineer. Should the Contractor fail to do this within a reasonable period of time in the judgment of the Engineer, he may cause such defects to be corrected and deduct the cost thereof from any money or payments due or to become due the Contractor. Refer to Appendix A of AWWA C500 and/or AWWA C509.

Method of Measurement.

This work will be measured for payment as follows:

a) Contract Quantities. The requirement for use of contract quantities shall be according to Article 202.07(a) of the Standard Specifications.

b) Measured Quantities. This work shall be measured for payment per each.

Basis of Payment. This work shall be paid for at the contract unit price per each for VALVE VAULT TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID, which price shall include all labor, materials and equipment, including excavation, backfilling, valve vault, frame and lid, gate valve, thrust block, coarse aggregate for drainage, fine aggregate bedding and all fittings to complete this work.

METER VAULTS, SPECIAL

Description. This work consists of the installation of a meter vault including water meter and gate valves as shown on plan details.

Construction Requirements. This work shall conform to the requirements of Section 602 of the Standard Specifications, plan details, as directed by the Engineer and as modified herein.

WATER METER

Water meter. Water meter shall be as specified by the Village of Minooka's Public Work's Department Superintendent.

METER VAULT

Meter Vault. Meter vaults shall be required for eight inch (8") or larger valves.

a) All meter vaults shall be precast reinforced concrete only.

b) All meter vaults shall have no more than two adjusting rings with a minimum of four inches (4") and a maximum of twelve inches (12") of adjustable rings.

c) Rubber adjusting rings are required for any rings that are two inches (2") in thickness or less.

d) All lifting holes, joints between precast reinforced concrete sections, gaps between pipes and structures shall be tuckpointed with hydraulic cement.

e) All castings shall be set on bitumastic material.

f) Bitumastic materials shall be placed between precast reinforced concrete sections.

g) All meter vaults shall have neoprene coated or fiberglass steps.

h) Meter vaults shall use a NEENAH FRAME AND LID with "Water" cast on lid or an "East Jordan Iron Works" frame and lid with "Water" cast on lid.

i) All valve vaults shall be set on a six inch (6") granular bedding.

GATE VALVES

Gate Valves. Gate valves shall be manufactured by "Clow" or equal approved by the Village of Minooka's Public Works Superintendent. Gate valves shall be mechanical joint resilient wedge gate valves. Gate valves shall be cast iron, bronze mounted, O-ring seal and bronze non-rising stems. Gate valves shall open left and be tested to 500 psi with a 250 psi working pressure. The valves shall be suitable for ordinary waterworks service, intended to be installed in a normal position on buried pipe lines for water distribution systems.

The minimum requirements for all gate valves shall, in design, shell wall thickness, material and workmanship, conform to the standards of the latest AWWA C500 and AWWA C509 for resilient-seated gate valves. All materials used in the manufacture of waterworks gate valves shall conform to the AWWA standards designed for each material listed.

Materials.

Manufacturing and Marking. The gate valves shall be standard pattern and shall have the name or mark of the manufacturer, size and working pressure plainly cast in raised letter on the valve body.

Type and Mounting. The valve bodies shall be cast iron, mounted with approved non-corrosive metals. All wearing surfaces shall be bronze or other approved non-corrosive material and there shall be no moving bearing or contact surfaces of iron in contact with iron. Contact surfaces shall be machined and finished in the best workmanlike manner, and all wearing surfaces shall be easily renewable.

Gate valves shall be two-faced, non-rising stem, double disc, parallel seats of bronze or other approved wedging devices placed between them with hand wheel. The stem shall be of high tensile strength bronze or other approved non-corrosive metal. All nonferrous busing shall be of substantial thickness tightly fitted and pressed into machined seats. All valves shall open by turning to the left counter-clockwise, unless otherwise specified. Consideration shall be given to types of bronze used where high galvanic waters (high pH or specific conductance) are present. See AWWA C500, Paragraph 2.2.3.4 and AWWA C509, Paragraph 2.2.4.4.

End Connections. End connections of gate valves shall consist of Mechanical Joints with Mega Lug Retainer Glands.

Gate Valve Stem Seals. All gate valves shall be furnished with three (3) pressure actuated O-ring stem seals, with one (1) O-ring below the stem thrust collar and bearing surfaces and two (2) O-ring above. The area between the O-rings shall be filled with a lubricant to give continuous lubrication to the stem collar and bearing surfaces so as to provide long-term ease of operation.

Wrench Nuts. Wrench nuts shall be made of cast iron and shall be one and fifteen-sixteenths (1 15/16) inches square at the top, two (2) inches square at the base, one and three-fourths (1 ¾) inches high, unless otherwise designated in the Special Provisions. Nuts shall have a flanged opening. The word “Open” in one-half (1/2) inch or larger letters shall be cast of the nut to clearing indicate the direction of opening the valve.

Hydrostatic Pressure at Factory. Test each gate valve shall be tested at the factory for performance and operation prior to painting and shall be subjected to the following hydrostatic pressure tests: each three (3) inch to twelve (12) inch valve, inclusive, shall be subjected to hydrostatic pressure test under pressures of both three hundred (300) psi and one-hundred seventy-five (175) psi. These tests shall be conducted in accordance with provisions of AWWA C500 and/or AWWA C509.

Painting at Factory. Before leaving the factory, all ferrous parts of the valves except finished or bearing surfaces shall be painted inside and out as specified in Section 3.21 in AWWA C500 and Section 5.2 of AWWA C509.

Installation of Gate Valves. All gate valves shall be inspected upon delivery in the field to insure proper working order before installation. They shall be set and jointed to the pipe in the manner as set forth in the AWWA Standards for the type of connection ends furnished.

Valves twelve (12”) inch and under shall be installed in a vertical position and be provided with a standard valve vault or cast iron valve box so arranged that no shock will be transmitted to the valve. The box shall be vertically centered over the operating nut, and the cast iron box cover shall be set flush with the road bed or finished surface.

After installation, all valves shall be subjected to the field test for piping. Should any defects in materials of workmanship appear during these tests, the Contractor shall correct such defects with the least possible delay and to the satisfaction of the Engineer. Should the Contractor fail

to do this within a reasonable period of time in the judgment of the Engineer, he may cause such defects to be corrected and deduct the cost thereof from any money or payments due or to become due the Contractor. Refer to Appendix A of AWWA C500 and/or AWWA C509.

Method of Measurement.

This work will be measured for payment as follows:

a) Contract Quantities. The requirement for use of contract quantities shall be according to Article 202.07(a) of the Standard Specifications.

b) Measured Quantities. This work shall be measured for payment as each.

Basis of Payment. This work shall be paid for at the contract unit price per each for METER VAULTS, SPECIAL, which price shall include all labor, materials and equipment, including excavating, backfilling course aggregate, precast box, frame and lid, water meter, valves, and all fittings to complete this work.

RESTRAINING GLANDS

Restraining Glands. All mechanical joint fittings (elbows), valves, fire hydrants and meters (when applicable) shall be restrained with a restraining device such as Mega Lug Series 1100.

THRUST BLOCKING

Description. This work consists of placing concrete blocking at all bends, fitting, valves and fire hydrants.

Materials. Materials shall be according to the following.

Item	Article/Secton
(a) Portland Cement Concrete	1020

Construction Requirements. Blocking to prevent movement of lines under pressure at bends, tees, caps, valves and hydrants shall be Portland Cement Concrete, a minimum of twelve (12”) inches thick, placed between solid ground and the fittings, and shall be anchored in such a manner that pipe and fitting joints will be accessible for repairs.

All bends of eleven and one-fourth (11 ¼) degrees or greater, and all tees and plugs shall be thrust protected to prevent movement of the lines under pressure as shown on the Plans. Where unstable soil or backfill conditions exist, it may be necessary to install thrust blocking at deflected sections as well as at fittings. If required by the Engineer, deflection blocking shall be installed at a point approximately one-fifth (1/5) of the pipe length each side of the coupling. Couplings shall not be blocked.

Concrete shall be “Class SI”.

Concrete shall bear on one complete quadrant of pipe as a minimum.

Where conditions prevent the use of concrete thrust blocks, tied joints or restrained joints of a type approved by the Engineer shall be used.

Basis of Payment. This work shall not be paid for separately but shall be included in the unit price per foot for DUCTILE IRON WATER MAIN 8”, per foot for WATER SERVICE LINE 3” and per foot for WATER SERVICE LINE 4”.

MINIMUM THRUST BLOCK AREA FT2

Pipe Size	Dead End/Tee	90° Bend	45° Bend	22 ½° Bend	11 ¼° Bend
4”	3.0	4.0	2.0	1.0	1.0
6”	3.0	4.0	2.0	1.0	1.0
8”	5.0	7.0	4.0	2.0	1.0
10”	8.0	11.0	6.0	3.0	2.0
12”	13.0	15.0	8.0	4.0	2.0

PRESSURE TESTING AND DISINFECTION

Pressure Test. After the pipe has been laid and partly backfilled as specified herein, all newly laid pipe or any valved sections of it shall, unless otherwise expressly specified, by subjected to a hydrostatic pressure equal to fifty (50) percent more than the operating pressure at the lowest elevation of the pipe section, but not to exceed the pressure rating of the type of pipe specified. The duration of each pressure test shall be for a period of not less than one hour and not more than six hours. The basic provisions of AWWA C600 and C603 shall be applicable.

Procedure for Test. Each section of pipe to be tested, as determined by the Engineer, shall be slowly filled with water and the specified test pressure shall be applied by means of a pump connected to the pipe in a satisfactory manner. The pump, pipe connection, and all necessary apparatus including gauge and meters shall be furnished by the Contractor. Before applying the specified test pressure, all air shall be expelled from the pipe. To accomplish this, taps shall be made, if necessary, at points of highest elevation and afterwards tightly plugged. Any cracked r defective pipes, fittings, valves, or hydrants discovered in consequence of this pressure test shall be removed and replaced by the Contractor with the sound material and the test shall be repeated until satisfactory to the Engineer. Provisions of AWWA C600 and C603, where applicable, shall apply.

Leakage Test.

1) After completion of the pressure test, a leakage test shall be conducted to determine the quantity of water lost be leakage under the specified test pressure. Test pressure is defined as the maximum operating pressure of the section under test and

is based on the elevation of the lowest point in the line or section under test corrected to the elevation of the test gauge. Applicable provisions of AWWA C600 and C603 shall apply. Duration of each leakage test shall be a minimum of one (1) hour in addition to the pressure test period.

2) Allowable leakage in gallons per hour for pipe line shall not be greater than that determined by the formula:

$$L = \frac{ND\sqrt{P}}{7400} \qquad Lm = \frac{ND\sqrt{P}}{130{,}380}$$

Note: L = Allowable leakage in gallons per hours (liters per hour).
N = Number of joints in length of pipeline tested.
D = Nominal diameter of the pipe in inches (millimeters)
P = Average test pressure during leakage test in pounds per square inch (kPa) gauge.

3) Leakage is defined as the quantity of water to be supplied in the newly laid pipe or any valved section under test, which is necessary to maintain the specified leakage test pressure after the pipe has been filled with water and the air expelled.

4) Flanged pipe shall be “bottle tight”.

Disinfection. Any of the methods stated in AWWA Standard C651-92 are accepted as a means of disinfection of water mains.

Flushing. Sections of pipe to be disinfected shall first be flushed to remove any solids or contaminated material that may have become lodged in the pipe. If no hydrant is installed at the end of the main, then a tap should be provided large enough to develop a velocity of at least two and one half (2 ½) feet per second in the main. A two and one half (2 ½) inch hydrant opening will, under normal pressures, provide this velocity in pipe sizes up to and including twelve (12) inch.

All taps two (2) inch size and smaller required for chlorination or flushing purposes, or for temporary or permanent release of air shall be provided for by the Contractor as a part of the construction of water main.

Requirement of Chlorine. Before being placed into service, all new mains and repaired portions of, or extensions to existing mains shall be chlorinated so that the initial chlorine residual is not less than fifty (50) mg/L and that a chlorine residual is not less than twenty-five (25) mg/L remains in the water after standing twenty-four (24) hours in the pipe.

Form of Applied Chlorine. Chlorine shall be applied by one of the methods which follow subject to approval by the Engineer.

1) Liquid Chlorine

A chlorine gas-water mixture shall be applied by means of a solution-feed chlorinating device, or the dry gas may be fed directly through proper devices for regulating the rate of flow and providing effective diffusion of the gas into the water within the pipe being treated. Chlorinating devices for feeding solutions of the chlorine gas, or the gas itself, must provide means for preventing the backflow of water into the chlorine.

2) Chlorine Bearing Compounds in Water

A mixture of water and high-test calcium hypochlorite (65 – 70% Chlorine) may be substituted for the chlorine gas water mixture. The dry powder shall first by mixed as a paste and then thinned to a one (1) percent chlorine solution by adding water to give a total quantity of seven and one half (7 ½) gallons of water per pound (62.5 liters of water per kg) or dry powder. This solution shall be injected in one end of the section of main to be disinfected while filling the main with water in the amounts as shown in the table which follows.

CHLORINE REQUIREMENTS TO PRODUCE 50 MG/L
CONCENTRATION IN 100 FOOT OF PIPE – BY DIAMETER

Pipe Size (Inches)	100% Chlorine, Lb.	1% Chlorine Solution, Gals.
4	0.027	0.33
6	0.061	0.73
8	0.108	1.30
10	0.170	2.04
12	0.240	2.88

3) Table Disinfection

Table disinfection is best suited to short extensions (up to 2500 ft./762 meters) and smaller diameter mains (up to 12 inch/300 mm). Since preliminary flushing must be eliminated in using this method, it should be utilized only when scrupulous cleanliness has been used in construction. It shall not be used if trench water or foreign material has entered the main or if the water is below 41°F (5°C).

Tablets should be placed in each section of pipe, hydrants, hydrant branches, and other appurtenances. Tablets must be at the top of the main and shall be attached by an adhesive, such as Prematex No. 1 or any alternative approved by the Engineer. Tablets in joints between pipe sections, hydrants, hydrant branches, or appurtenances are to be crushed and placed inside the annular space or rubbed like chalk in butt ends of sections to coat them if the type of assembly does not permit crushing.

In filling a section of piping with water when using the table method, water velocity shall be less than one (1) foot per second (0.30 meters per second).

NUMBER OF 5-GRAM HYPOCLORITE TABLETS REQUIRED
FOR A DOSAGE OF 50 MG/L PER LENGTH OF PIPE SECTION

Pipe Sizes In Inches		Length of Pipe Section in Feet				
Up to 13		18	20	30	40	
2		1	1	1	1	1
4		1	1	2	2	2
6		2	2	3	3	4
8		2	3	3	5	6
10		3	5	5	7	9
12		5	6	7	10	14

Point of Application. The preferred point of application of the chlorinating agent is at the beginning of the pipe line extension or any valved section of it, and through a corporation stop inserted in the pipe. The water injector for delivering the chlorine-bearing water into the pipe should be supplied from a tap made of the pressure side of the gate valve controlling the flow into the pipe line extension. Alternate points of application may be used when approved or directed by the Engineer.

Preventing Reverse Flow. Valves shall be manipulated so that the strong chlorine solution in the line being treated will not flow back into the line supplying the water. Check valves may be used if desired.

Retention Period. Treated water shall be retained in the pipe at least twenty-four (24) hours. After this period, the chlorine residual at pipe extremities and at other representative points shall be at least twenty-five (25) mg/L.

Chlorinating Valves and Hydrants. In the process of chlorinating newly laid pipe, all valves or other appurtenances shall be operated while the pipe line is filled with chlorinating agent and under normal operating pressure.

Final Flushing and Testing. Following chlorination, all treated water shall be thoroughly flushed from the newly laid pipe at its extremity until the replacement water throughout its lengths shows upon test, a chlorine residual of less than 1 mg/L. In the event chlorine is normally used in the source of supply, then the test shall show a residual not in excess of that carried in the system.

All water mains must be shown to be free of bacterial contamination before being placed into service. Representative samples shall be collected at locations as directed by the Engineer. All samples shall be analyzed for bacteriological contamination at a laboratory certified by Illinois Department of Public Health.

Satisfactory disinfection is demonstrated when two consecutive water samples, collected at least twenty-four (24) hours apart, indicate no bacterial contamination.

The requirement for two consecutive samples at representative locations may be modified at existing community water supplies which practice chlorination and which maintain an adequate chlorine residual at the point of connection to the new water main. For such situations, satisfactory disinfection is demonstrated by a single sample set which shows no bacterial contamination.

Repetition of Flushing and Testing. Should the initial treatment result in an unsatisfactory bacterial test, the original chlorination procedure shall be repeated by the Contractor until satisfactory results are obtained on successive samples taken at least 24 hours apart.

Method of Measurement. This work will be measured for payment as follows:

a) Contract Quantities. The requirement for use of contract quantities shall be according to Section 202.07(a) of the Standard Specifications.

b) Measured Quantities. This work shall be measured for payment as Lump Sum.

Basis of Payment. This work will be paid for at the contract unit price per Lump Sum for PRESSURE TESTING AND DISINFECTION, which price shall include labor, materials and equipment to satisfactorily complete this work.

CONNECTION TO EXISTING WATERMAIN/WATER SERVICE CONNECTIONS

Description. This work shall consist of the connection of existing water mains or water service lines to proposed water mains or water service lines.

Construction Requirements. Specification references made herein for manufactured materials such as pipe, hydrants, valves and fitting refer to designations for American Water Works Association (AWWA), or to American National Standards Institute (ANSI), as they are effective on the date of bids.

Copies of these publications may be obtained at nominal cost from the American Water Works Association, 6666 West Quincy Avenue, Denver, Colorado, 80235 and from the American National Standards Institute, 1430 Broadway, New York, New York 10018.

All connections to water mains and water service lines in use shall be made by the Contractor unless otherwise provided in the Special Provisions. All crosses or other specials required to be inserted in an existing main shall be furnished and set by the Contractor.

Where the connection of new work to old requires interruption of the service and notification of customers affected, the superintendent of the utility, the Engineer and the Contractor shall mutually agree upon a date and time for connections which will allow ample time to assemble labor and materials, and to notify all customers affected. Notification of customers shall be seventy-two (72) hours when practical or a minimum of twenty-four (24) hours before interruption of service.

Method of Measurement.

This work will be measured for payment as follows:

a) Contract Quantities. The requirement for use of contract quantities shall be according to Article 202.07(a) of the Standard Specifications.

b) Measured Quantities. This work shall be measured for payment as follows.

Connection to existing water main shall be measured for payment as each.

Water service connection shall be measured for payment as Lump Sum.

Basis of Payment. This work will be paid for at the contract unit price per each for CONNECTION TO EXISTING WATER MAIN, and per lump sum for WATER SERVICE CONNECTION which price shall include labor, materials, fittings and equipment to satisfactorily complete this work.

FINAL CLEANUP

Upon completion of the work, all surplus material, excavated and useless materials, etc., shall be removed from within the limits of the right of way.

CEMENT (BDE)
Effective: January 1, 2007

Revise Section 1001 of the Standard Specifications to read:

"**SECTION 1001. CEMENT**

1001.01 Cement Types. Cement shall be according to the following.

(a) Portland Cement. Acceptance of portland cement shall be according to the current Bureau of Materials and Physical Research's Policy Memorandum, "Portland or Blended Cement Acceptance Procedure for Qualified and Non-Qualified Plants".

Portland cement shall be according to ASTM C 150, and shall meet the standard physical and chemical requirements. Type I or Type II may be used for cast-in-place, precast, and precast prestressed concrete. Type III may be used according to Article 1020.04, or when approved by the Engineer. All other cements referenced in ASTM C 150 may be used when approved by the Engineer.

The total of all organic processing additions shall be a maximum of 1.0 percent by weight (mass) of the cement and the total of all inorganic processing additions shall be a maximum of 4.0 percent by weight (mass) of the cement. Organic processing additions shall be limited to grinding aids that improve the flowability of cement, reduce pack set,

and improve grinding efficiency. Inorganic processing additions shall be limited to granulated blast-furnace slag according to the chemical requirements of AASHTO M 302 and Class C fly ash according to the chemical requirements of AASHTO M 295.

(b) Portland-Pozzolan Cement. Acceptance of portland-pozzolan cement shall be according to the current Bureau of Materials and Physical Research's Policy Memorandum, "Portland or Blended Cement Acceptance Procedure for Qualified and Non-Qualified Plants".

Portland-pozzolan cement shall be according to ASTM C 595 and shall meet the standard physical and chemical requirements. Type IP or I(PM) may be used for cast-in-place, precast, and precast prestressed concrete, except when Class PP concrete is used. The pozzolan constituent for Type IP shall be a maximum of 21 percent of the weight (mass) of the portland-pozzolan cement. All other cements referenced in ASTM C 595 may be used when approved by the Engineer.

For cast-in-place construction, portland-pozzolan cements shall only be used from April 1 to October 15.

The total of all organic processing additions shall be a maximum of 1.0 percent by weight (mass) of the cement. Organic processing additions shall be limited to grinding aids as defined in (a) above. Inorganic processing additions shall not be used.

(c) Portland Blast-Furnace Slag Cement. Acceptance of portland blast-furnace slag cement shall be according to the current Bureau of Materials and Physical Research's Policy Memorandum, "Portland or Blended Cement Acceptance Procedure for Qualified and Non-Qualified Plants".

Portland blast-furnace slag cement shall be according to ASTM C 595 and shall meet the standard physical and chemical requirements. Type I(SM) slag-modified portland cement may be used for cast-in-place, precast, and precast prestressed concrete, except when Class PP concrete is used. All other cements referenced in ASTM C 595 may be used when approved by the Engineer.

For cast-in-place construction, portland blast-furnace slag cements shall only be used from April 1 to October 15.

The total of all organic processing additions shall be a maximum of 1.0 percent by weight (mass) of the cement. Organic processing additions shall be limited to grinding aids as defined in (a) above. Inorganic processing additions shall not be used.

(d) Rapid Hardening Cement. Rapid hardening cement shall be used according to Article 1020.04 or when approved by the Engineer. The cement shall be on the Department's current "Approved List of Packaged, Dry, Rapid Hardening Cementitious Materials for Concrete Repairs", and shall be according to the following.

(1) The cement shall have a maximum final set of 25 minutes, according to Illinois Modified ASTM C 191.

(2) The cement shall have a minimum compressive strength of 2000 psi (13,800 kPa) at 3.0 hours, and 4000 psi (27,600 kPa) at 24.0 hours, according to Illinois Modified ASTM C 109.

(3) The cement shall have a maximum drying shrinkage of 0.050 percent at seven days, according to Illinois Modified ASTM C 596.

(4) The cement shall have a maximum expansion of 0.020 percent at 14 days, according to Illinois Modified ASTM C 1038.

(5) The cement shall have a minimum 80 percent relative dynamic modulus of elasticity; and shall not have a weight (mass) gain in excess of 0.15 percent or a weight (mass) loss in excess of 1.0 percent, after 100 cycles, according to Illinois Modified AASHTO T 161, Procedure B. At 100 cycles, the specimens are measured and weighed at 73 ºF (23 ºC).

(e) Calcium Aluminate Cement. Calcium aluminate cement shall be used when specified by the Engineer. The cement shall meet the standard physical requirements for Type I cement according to ASTM C 150, except the time of setting shall not apply. The chemical requirements shall be determined according to ASTM C 114 and shall be as follows: minimum 38 percent aluminum oxide (Al_2O_3), maximum 42 percent calcium oxide (CaO), maximum 1 percent magnesium oxide (MgO), maximum 0.4 percent sulfur trioxide (SO_3), maximum 1 percent loss on ignition, and maximum 3.5 percent insoluble residue.

1001.02 Uniformity of Color. Cement contained in single loads or in shipments of several loads to the same project shall not have visible differences in color.

1001.03 Mixing Brands and Types. Different brands or different types of cement from the same manufacturing plant, or the same brand or type from different plants shall not be mixed or used alternately in the same item of construction unless approved by the Engineer.

1001.04 Storage. Cement shall be stored and protected against damage, such as dampness which may cause partial set or hardened lumps. Different brands or different types of cement from the same manufacturing plant, or the same brand or type from different plants shall be kept separate."

ERRATA FOR THE 2007 STANDARD SPECIFICATIONS (BDE)
Effective: January 1, 2007

Page 60 Article 109.07(a). In the second line of the first paragraph change "amount" to "quantity".

Page 207 Article 406.14. In the second line of the second paragraph change "MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS, of the mixture composition specified;" to "MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS;".

Page 398 Article 540.07(b). Add the following two paragraphs after the third paragraph:

"Excavation in rock will be measured for payment according to Article 502.12.

Removal and disposal of unstable and/or unsuitable material below plan bedding grade will be measured for payment according to Article 202.07."

Page 398 Article 540.08. Add the following two paragraphs after the fifth paragraph:

"Excavation in rock will be paid for according to Article 502.13.

Removal and disposal of unstable and/or unsuitable material below plan bedding grade will be paid for according to Article 202.08."

Page 465 Article 551.06. In the second line of the first paragraph change "or" to "and/or".

Page 585 Article 701.19(a). Add "701400" to the second line of the first paragraph.

Page 586 Article 701.19(c). Delete "701400" from the second line of the first paragraph.

Page 586 Article 701.19. Add the following subparagraph to this Article:

"(f) Removal of existing pavement markings and raised reflective pavement markers will be measured for payment according to Article 783.05."

Page 587 Article 701.20(b). Delete "TRAFFIC CONTROL AND PROTECTION 701400;" from the first paragraph.

Page 588 Article 701.20. Add the following subparagraph to this Article.

"(j) Removal of existing pavement markings and raised reflective pavement markers will be paid for according to Article 783.06."

Page 762 Article 1020.04. In Table 1 Classes of Portland Cement Concrete and Mix Design Criteria, add to the minimum cement factor for Class PC Concrete "5.65 (TY III)", and add to the maximum cement factor for Class PC Concrete "7.05 (TY III)".

Page 765 Article 1020.04. In Table 1 Classes of Portland Cement Concrete and Mix Design Criteria (metric), add to the minimum cement factor for Class PC Concrete "335 (TY III)", and add to the maximum cement factor for Class PC Concrete "418 (TY III)".

Page 809 Article 1030.05. Revise the subparagraph "(a) Quality Assurance by the Engineer." to read "(e) Quality Assurance by the Engineer.".

Page 946 Article 1080.03(a)(1). In the third line of the first paragraph revise "(300 µm)" to "(600 µm)".

Page 963 Article 1083.02(b). In the second line of the first paragraph revise "ASTM D 4894" to "ASTM D 4895".

Page 1076 In the Index of Pay Items delete the pay item "BITUMINOUS SURFACE REMOVAL – BUTT JOINT".

Page 1081 In the Index of Pay Items add "Section 406, HOT-MIX ASPHALT SURFACE REMOVAL – BUTT JOINT, Page 207".

PAYMENTS TO SUBCONTRACTORS (BDE)
Effective: June 1, 2000 Revised: January 1, 2006

Federal regulations found at 49 CFR §26.29 mandate the Department to establish a contract clause to require Contractors to pay subcontractors for satisfactory performance of their subcontracts and to set the time for such payments.

State law also addresses the timing of payments to be made to subcontractors and material suppliers. Section 7 of the Prompt Payment Act, 30 ILCS 540/7, requires that when a Contractor receives any payment from the Department, the Contractor shall make corresponding, proportional payments to each subcontractor and material supplier performing work or supplying material within 15 calendar days after receipt of the Department payment. Section 7 of the Act further provides that interest in the amount of two percent per month, in addition to the payment due, shall be paid to any subcontractor or material supplier by the Contractor if the payment required by the Act is withheld or delayed without reasonable cause. The Act also provides that the time for payment required and the calculation of any interest due applies to transactions between subcontractors and lower-tier subcontractors and material suppliers throughout the contracting chain.

This Special Provision establishes the required federal contract clause, and adopts the 15 calendar day requirement of the State Prompt Payment Act for purposes of compliance with the federal regulation regarding payments to subcontractors. This contract is subject to the following payment obligations.

When progress payments are made to the Contractor according to Article 109.07 of the Standard Specifications, the Contractor shall make a corresponding payment to each subcontractor and material supplier in proportion to the work satisfactorily completed by each subcontractor and for the material supplied to perform any work of the contract. The proportionate amount of partial payment due to each subcontractor and material supplier throughout the contracting chain shall be determined by the quantities measured or otherwise determined as eligible for payment by the Department and included in the progress payment to

the Contractor. Subcontractors and material suppliers shall be paid by the Contractor within 15 calendar days after the receipt of payment from the Department. The Contractor shall not hold retainage from the subcontractors. These obligations shall also apply to any payments made by subcontractors and material suppliers to their subcontractors and material suppliers; and to all payments made to lower tier subcontractors and material suppliers throughout the contracting chain. Any payment or portion of a payment subject to this provision may only be withheld from the subcontractor or material supplier to whom it is due for reasonable cause.

This Special Provision does not create any rights in favor of any subcontractor or material supplier against the State or authorize any cause of action against the State on account of any payment, nonpayment, delayed payment, or interest claimed by application of the State Prompt Payment Act. The Department will not approve any delay or postponement of the 15 day requirement except for reasonable cause shown after notice and hearing pursuant to Section 7(b) of the State Prompt Payment Act. State law creates other and additional remedies available to any subcontractor or material supplier, regardless of tier, who has not been paid for work properly performed or material furnished. These remedies are a lien against public funds set forth in Section 23(c) of the Mechanics Lien Act, 770 ILCS 60/23(c), and a recovery on the Contractor's payment bond according to the Public Construction Bond Act, 30 ILCS 550.

SELF-CONSOLIDATING CONCRETE FOR CAST-IN-PLACE CONSTRUCTION (BDE)
Effective: November 1, 2005 Revised: January 1, 2007

Definition. Self-consolidating concrete is a flowable mixture that does not require mechanical vibration for consolidation.

Usage. Self-consolidating concrete may be used for cast-in-place concrete construction items involving Class MS, DS, and SI concrete.

Materials. Materials shall be according to Section 1021 of the Standard Specifications.

Mix Design Criteria. Article 1020.04 of the Standard Specifications shall apply, except as follows:

(a) The cement factor shall be according to Article 1020.04 of the Standard Specifications. If the maximum cement factor is not specified, it shall not exceed 7.05 cwt/cu yd (418 kg/cu m). The cement factor shall not be reduced if a water-reducing, retarding, or high range water-reducing admixture is used.

(b) The maximum allowable water/cement ratio shall be according to Article 1020.04 of the Standard Specifications or 0.44, whichever is lower.

(c) The slump requirements shall not apply.

(d) The coarse aggregate gradations shall be CA 13, CA 14, CA 16, or a blend of these gradations. CA 11 may be used when the Contractor provides satisfactory evidence to the Engineer that the mix will not segregate. The fine aggregate proportion shall be a maximum 50 percent by weight (mass) of the total aggregate used.

(e) The slump flow range shall be ± 2 in. (± 50 mm) of the Contractor target value, and within the overall Department range of 20 in. (510 mm) minimum to 28 in. (710 mm) maximum.

(f) The visual stability index shall be a maximum of 1.

(g) The J-ring value shall be a maximum of 4 in. (100 mm). The Contractor may specify a lower maximum in the mix design.

(h) The L-box blocking ratio shall be a minimum of 60 percent. The Contractor may specify a higher minimum in the mix design.

(i) The column segregation index shall be a maximum 15 percent.

(j) The hardened visual stability index shall be a maximum of 1.

Test Methods. Illinois Test Procedures SCC-1, SCC-2, SCC-3, SCC-4, SCC-5, SCC-6, and Illinois Modified AASHTO T 22, 23, 121, 126, 141, 152, 177, 196, and 309 shall be used for testing of self-consolidating concrete mixtures.

Mix Design Submittal. The Contractor's Level III PCC Technician shall submit a mix design according to the "Portland Cement Concrete Level III Technician" course manual, except target slump information is not applicable and will not be required. However, a slump flow target range shall be submitted. In addition, the design mortar factor may exceed 1.10 and durability test data will be waived.

A J-ring value shall be submitted if a lower mix design maximum will apply. An L-box blocking ratio shall be submitted if a higher mix design minimum will apply. The Contractor shall also indicate applicable construction items for the mix design.

Trial mixture information will be required by the Engineer. A trial mixture is a batch of concrete tested by the Contractor to verify the Contractor's mix design will meet specification requirements. Trial mixture information shall include test results as specified in the "Portland Cement Concrete Level III Technician" course manual. Test results shall also include slump flow, visual stability index, J-ring value, L-box blocking ratio, column segregation index, and hardened visual stability index. For the trial mixture, the slump flow shall be near the midpoint of the proposed slump flow target range.

Trial Batch. A minimum 2 cu yd (1.5 cu m) trial batch shall be produced, and the self-consolidating concrete admixture dosage proposed by the Contractor shall be used. The slump flow shall be within 1.0 in. (25 mm) of the maximum slump flow range specified by the Contractor, and the air content shall be within the top half of the allowable specification range.

The trial batch shall be scheduled a minimum of 21 calendar days prior to anticipated use and shall be performed in the presence of the Engineer.

The Contractor shall provide the labor, equipment, and materials to test the concrete. The mixture will be evaluated by the Engineer for strength, air content, slump flow, visual stability index, J-ring value, L-box blocking ratio, column segregation index, and hardened visual stability index.

Upon review of the test data from the trial batch, the Engineer will verify or deny the use of the mix design and notify the Contractor. Verification by the Engineer will include the Contractor's target slump flow range. If applicable, the Engineer will verify the Contractor's maximum J-ring value and minimum L-box blocking ratio.

A new trial batch will be required whenever there is a change in the source of any component material, proportions beyond normal field adjustments, dosage of the self-consolidating concrete admixture, batch sequence, mixing speed, mixing time, or as determined by the Engineer. The testing criteria for the new trial batch will be determined by the Engineer.

When necessary, the trial batches shall be disposed of according to Article 202.03 of the Standard Specifications.

Mixing Portland Cement Concrete. In addition to Article 1020.11 of the Standard Specifications, the mixing time for central-mixed concrete shall not be reduced as a result of a mixer performance test. Truck-mixed or shrink-mixed concrete shall be mixed in a truck mixer for a minimum of 100 revolutions.

Wash water, if used, shall be completely discharged from the drum or container before the succeeding batch is introduced.

The batch sequence, mixing speed, and mixing time shall be appropriate to prevent cement balls and mix foaming for central-mixed, truck-mixed, and shrink-mixed concrete.

Falsework and Forms. In addition to Articles 503.05 and 503.06 of the Standard Specifications, the Contractor shall consider the fluid nature of the concrete for designing the falsework and forms. Forms shall be tight to prevent leakage of fluid concrete.

Placing and Consolidating. Concrete placement and consolidation shall be according to Article 503.07 of the Standard Specifications, except as follows:

Revise the third paragraph of Article 503.07 of the Standard Specifications to read:

"Open troughs and chutes shall extend as nearly as practicable to the point of deposit. The drop distance of concrete shall not exceed 5 ft (1.5 m). If necessary, a tremie shall be used to meet this requirement. The maximum distance of horizontal flow from the point of deposit shall be 25 ft (7.6 m), unless approved otherwise by the Engineer. For drilled shafts, free fall placement will not be permitted."

Delete the seventh, eighth, ninth, and tenth paragraphs of Article 503.07 of the Standard Specifications.

Add to the end of the eleventh paragraph of Article 503.07 of the Standard Specifications the following:

"Concrete shall be rodded with a piece of lumber, conduit, or vibrator if the material has lost its fluidity prior to placement of additional concrete. The vibrator shall be the pencil head type with a maximum diameter or width of 1 in. (25 mm). Any other method for restoring the fluidity of the concrete shall be approved by the Engineer."

Quality Control by Contractor at Plant. The specified test frequencies for aggregate gradation, aggregate moisture, air content, unit weight/yield, and temperature shall be performed as indicated in the contract plans.

Slump flow, visual stability index, and J-ring or L-box tests shall be performed as needed to control production. The column segregation index test and hardened visual stability index test will not be required to be performed at the plant.

Quality Control by Contractor at Jobsite. The specified test frequencies for air content, strength, and temperature shall be performed as indicated in the contract plans.

Slump flow, visual stability index, and J-ring or L-box tests shall be performed on the first two truck deliveries of the day, and every 50 cu yd (40 cu m) thereafter. The Contractor shall select either the J-ring or L-box test for jobsite testing.

The column segregation index test will not be required to be performed at the jobsite. The hardened visual stability index test shall be performed on the first truck delivery of the day, and every 300 cu yd (230 cu m) thereafter. Slump flow, visual stability index, J-ring value or L-box blocking ratio, air content, and concrete temperature shall be recorded for each hardened visual stability index test.

The Contractor shall retain all hardened visual stability index cut cylinder specimens until the Engineer notifies the Contractor that the specimens may be discarded.

If mix foaming or other potential detrimental material is observed during placement or at the completion of the pour, the material shall be removed while the concrete is still plastic.

Quality Assurance by Engineer at Plant. For air content and aggregate gradation, quality assurance independent sample testing and split sample testing will be performed as indicated in the contract plans.

For slump flow, visual stability index, and J-ring or L-box tests, quality assurance independent sample testing and split sample testing will be performed as determined by the Engineer.

Quality Assurance by Engineer at Jobsite. For air content and strength, quality assurance independent sample testing and split sample testing will be performed as indicated in the contract plans.

For slump flow, visual stability index, J-ring or L-box, and hardened visual stability index tests, quality assurance independent sample testing will be performed as determined by the Engineer.

For slump flow and visual stability index quality assurance split sample testing, the Engineer will perform tests at the beginning of the project on the first three tests performed by the Contractor. Thereafter, a minimum of ten percent of total tests required of the Contractor will be performed per plant, which will include a minimum of one test per mix design. The acceptable limit of precision will be 1.5 in. (40 mm) for slump flow and a limit of precision will not apply to the visual stability index.

For the J-ring or the L-box quality assurance split sample testing, a minimum of 80 percent of the total tests required of the Contractor will be witnessed by the Engineer per plant, which will include a minimum of one witnessed test per mix design. The Engineer reserves the right to conduct quality assurance split sample testing. The acceptable limit of precision will be 1.5 in. (40 mm) for the J-ring value and ten percent for the L-box blocking ratio.

For each hardened visual stability index test performed by the Contractor, the cut cylinders shall be presented to the Engineer for determination of the rating. The Engineer reserves the right to conduct quality assurance split sample testing. A limit of precision will not apply to the hardened visual stability index.

SELF-CONSOLIDATING CONCRETE FOR PRECAST PRODUCTS (BDE)
Effective: July 1, 2004 Revised: January 1, 2007

Definition. Self-consolidating concrete is a flowable mixture that does not require mechanical vibration for consolidation.

Usage. Self-consolidating concrete may be used for precast concrete products.

Materials. Materials shall be according to Section 1021 of the Standard Specifications.

Mix Design Criteria. The mix design criteria shall be as follows:

(a) The minimum cement factor shall be according to Article 1020.04 of the Standard Specifications. If the maximum cement factor is not specified, it shall not exceed 7.05 cwt/cu yd (418 kg/cu m).

(b) The maximum allowable water/cement ratio shall be according to Article 1020.04 of the Standard Specifications or 0.44, whichever is lower.

(c) The slump requirements of Article 1020.04 of the Standard Specifications shall not apply.

(d) The coarse aggregate gradations shall be CA 13, CA 14, CA 16, or a blend of these gradations. CA 11 may be used when the Contractor provides satisfactory evidence to the Engineer that the mix will not segregate. The fine aggregate proportion shall be a maximum 50 percent by weight (mass) of the total aggregate used.

(e) The slump flow range shall be ± 2 in. (± 50 mm) of the Contractor target value, and within the overall Department range of 20 in. (510 mm) minimum to 28 in. (710 mm) maximum.

(f) The visual stability index shall be a maximum of 1.

(g) The J-ring value shall be a maximum of 4 in. (100 mm). The Contractor may specify a lower maximum in the mix design.

(h) The L-box blocking ratio shall be a minimum of 60 percent. The Contractor may specify a higher minimum in the mix design.

(i) The column segregation index shall be a maximum 15 percent.

(j) The hardened visual stability index shall be a maximum of 1.

Placing and Consolidating. The maximum distance of horizontal flow from the point of deposit shall be 25 ft (7.6 m), unless approved otherwise by the Engineer.

Concrete shall be rodded with a piece of lumber, conduit, or vibrator if the material has lost its fluidity prior to placement of additional concrete. The vibrator shall be the pencil head type with a maximum diameter or width of 1 in. (25 mm). Any other method for restoring the fluidity of the concrete shall be approved by the Engineer.

Mix Design Approval. The Contractor shall obtain mix design approval according to the Department's Policy Memorandum "Quality Control/Quality Assurance Program for Precast Concrete Products".

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)
Effective: April 2, 2005

To account for the preparatory work and operations necessary for the movement of subcontractor personnel, equipment, supplies, and incidentals to the project site and for all other work or operations that must be performed or costs incurred when beginning work approved for subcontracting in accordance with Article 108.01 of the Standard Specifications, the Contractor shall make a mobilization payment to each subcontractor.

This mobilization payment shall be made at least 14 days prior to the subcontractor starting work. The amount paid shall be equal to 3 percent of the amount of the subcontract reported on form BC 260A submitted for the approval of the subcontractor's work.

This provision shall be incorporated directly or by reference into each subcontract approved by the Department.

WORKING DAYS (BDE)
Effective: January 1, 2002

The Contractor shall complete the work within 25 working days.

ILLINOIS DEPARTMENT OF LABOR

PREVAILING WAGES FOR
GRUNDY COUNTY
EFFECTIVE FEBRUARY 2007

The Prevailing rates of wages are included in the Contract proposals which are subject to Check Sheet #5 of the Supplemental Specifications and Recurring Special Provisions. The rates have been ascertained and certified by the Illinois Department of Labor for the locality in which the work is to be performed and for each craft or type of work or mechanic needed to execute the work of the Contract. As required by Prevailing Wage Act (820 ILCS 130/0.01, et seq.) and Check Sheet #5 of the Contract, not less than the rates of wages ascertained by the Illinois Department of Labor and as revised during the performance of a Contract shall be paid to all laborers, workers and mechanics performing work under the Contract. Post the scale of wages in a prominent and easily accessible place at the site of work.

If the Illinois Department of Labor revises the prevailing rates of wages to be paid as listed in the specification of rates, the contractor shall post the revised rates of wages and shall pay not less than the revised rates of wages. Current wage rate information shall be obtained by visiting the Illinois Department of Labor web site at http://www.state.il.us/agency/idol/ or by calling 312-793-2814. It is the responsibility of the contractor to review the rates applicable to the work of the contract at regular intervals in order to insure the timely payment of current rates. Provision of this information to the contractor by means of the Illinois Department of Labor web site satisfies the notification of revisions by the Department to the contractor pursuant to the Act, and the contractor agrees that no additional notice is required. The contractor shall notify each of its subcontractors of the revised rates of wages.

Grundy County Prevailing Wage for February 2007

Trade Name	RG	TYP	C	Base	FRMAN	*M-F>8	OSA	OSH	H/W	Pensn	Vac	Trng
ASBESTOS ABT-GEN		ALL		31.550	32.300	1.5	1.5	2.0	7.460	4.840	0.000	0.170
ASBESTOS ABT-MEC		BLD		23.300	24.800	1.5	1.5	2.0	7.860	4.910	0.000	0.000
BOILERMAKER		BLD		38.540	42.000	2.0	2.0	2.0	6.720	6.940	0.000	0.300
BRICK MASON		BLD		33.250	36.580	1.5	1.5	2.0	6.450	7.020	0.000	0.440
CARPENTER		ALL		35.320	38.850	1.5	1.5	2.0	6.760	5.320	0.000	0.490
CEMENT MASON		ALL		35.500	37.500	2.0	2.0	2.0	6.400	8.830	0.000	0.100
CERAMIC TILE FNSHER		BLD		28.520	0.000	2.0	1.5	2.0	5.650	5.750	0.000	0.330
COMMUNICATION TECH		BLD		30.110	31.610	1.5	1.5	2.0	8.270	8.700	0.000	0.300
ELECTRIC PWR EQMT OP		ALL		36.050	42.000	1.5	1.5	2.0	7.870	9.730	0.000	0.270
ELECTRIC PWR GRNDMAN		ALL		28.120	42.000	1.5	1.5	2.0	6.140	7.600	0.000	0.210
ELECTRIC PWR LINEMAN		ALL		36.050	42.000	1.5	1.5	2.0	7.870	9.730	0.000	0.270
ELECTRICIAN		BLD		35.500	38.700	1.5	1.5	2.0	8.570	11.06	0.000	0.360
ELEVATOR CONSTRUCTOR		BLD		34.190	38.460	2.0	2.0	2.0	8.275	6.060	2.050	0.000
GLAZIER		BLD		31.400	32.400	1.5	2.0	2.0	6.490	9.050	0.000	0.500
HT/FROST INSULATOR		BLD		33.300	35.050	1.5	1.5	2.0	7.860	8.610	0.000	0.310
IRON WORKER		ALL		32.000	33.000	2.0	2.0	2.0	8.040	13.92	0.000	0.550
LABORER		ALL		31.550	32.300	1.5	1.5	2.0	7.460	4.840	0.000	0.170
LATHER		ALL		35.320	38.850	1.5	1.5	2.0	6.760	5.320	0.000	0.490
MACHINIST		BLD		36.890	38.890	2.0	2.0	2.0	4.380	5.650	2.550	0.000
MARBLE FINISHERS		ALL		25.750	0.000	1.5	1.5	2.0	6.070	7.020	0.000	0.580
MARBLE MASON		BLD		34.850	38.340	1.5	1.5	2.0	7.050	7.870	0.000	0.490
MATERIAL TESTER 1		ALL		21.550	0.000	1.5	1.5	2.0	7.460	4.840	0.000	0.170
MATERIALS TESTER II		ALL		26.550	0.000	1.5	1.5	2.0	7.460	4.840	0.000	0.170
MILLWRIGHT		ALL		35.320	38.850	1.5	1.5	2.0	6.760	5.320	0.000	0.490
OPERATING ENGINEER		BLD	1	41.550	45.550	2.0	2.0	2.0	6.850	5.600	1.900	0.700
OPERATING ENGINEER		BLD	2	40.250	45.550	2.0	2.0	2.0	6.850	5.600	1.900	0.700
OPERATING ENGINEER		BLD	3	37.700	45.550	2.0	2.0	2.0	6.850	5.600	1.900	0.700
OPERATING ENGINEER		BLD	4	35.950	45.550	2.0	2.0	2.0	6.850	5.600	1.900	0.700
OPERATING ENGINEER		HWY	1	39.750	43.750	1.5	1.5	2.0	6.850	5.600	1.900	0.700
OPERATING ENGINEER		HWY	2	39.200	43.750	1.5	1.5	2.0	6.850	5.600	1.900	0.700
OPERATING ENGINEER		HWY	3	37.150	43.750	1.5	1.5	2.0	6.850	5.600	1.900	0.700
OPERATING ENGINEER		HWY	4	35.750	43.750	1.5	1.5	2.0	6.850	5.600	1.900	0.700
OPERATING ENGINEER		HWY	5	34.550	43.750	1.5	1.5	2.0	6.850	5.600	1.900	0.700
PAINTER		ALL		34.400	38.700	1.5	1.5	2.0	6.200	6.400	0.000	0.390
PAINTER SIGNS		BLD		28.260	31.730	1.5	1.5	1.5	2.600	2.260	0.000	0.000
PILEDRIVER		ALL		35.320	38.850	1.5	1.5	2.0	6.760	5.320	0.000	0.490
PIPEFITTER		BLD		37.600	39.600	1.5	1.5	2.0	8.660	6.900	0.000	0.940
PLASTERER		BLD		33.850	35.350	1.5	1.5	2.0	6.740	7.100	0.000	0.400
PLUMBER	E	BLD		37.500	39.500	1.5	1.5	2.0	7.050	8.500	0.000	0.760
PLUMBER	W	BLD		37.500	39.500	1.5	1.5	2.0	7.050	8.500	0.000	0.760
ROOFER		BLD		26.560	27.560	1.5	1.5	2.0	6.460	3.310	0.000	0.330
SHEETMETAL WORKER		BLD		36.510	38.510	1.5	1.5	2.0	6.890	8.020	0.000	0.640
SIGN HANGER		ALL		22.990	25.290	1.5	1.5	2.0	3.790	2.500	0.000	0.000
SPRINKLER FITTER		BLD		37.500	39.500	1.5	1.5	2.0	8.000	5.850	3.600	0.500
STONE MASON		BLD		33.250	36.580	1.5	1.5	2.0	6.450	7.020	0.000	0.440
TERRAZZO FINISHER		BLD		29.290	0.000	1.5	1.5	2.0	5.650	6.940	0.000	0.270
TERRAZZO MASON		BLD		33.650	36.650	1.5	1.5	2.0	5.650	8.610	0.000	0.300
TILE MASON		BLD		34.600	38.600	2.0	1.5	2.0	5.650	7.000	0.000	0.460
TRUCK DRIVER		ALL	1	33.040	33.590	1.5	1.5	2.0	5.500	3.875	0.000	0.000
TRUCK DRIVER		ALL	2	33.190	33.590	1.5	1.5	2.0	5.500	3.875	0.000	0.000
TRUCK DRIVER		ALL	3	33.390	33.590	1.5	1.5	2.0	5.500	3.875	0.000	0.000
TRUCK DRIVER		ALL	4	33.590	33.590	1.5	1.5	2.0	5.500	3.875	0.000	0.000
TUCKPOINTER		BLD		34.500	35.500	1.5	1.5	2.0	4.710	6.340	0.000	0.400

Legend:

M-F>8 (Overtime is required for any hour greater than 8 worked each day, Monday through Friday.

OSA (Overtime is required for every hour worked on Saturday)

OSH (Overtime is required for every hour worked on Sunday and Holidays)

H/W (Health & Welfare Insurance)

Pensn (Pension)

Vac (Vacation)

Trng (Training)

Explanations

GRUNDY COUNTY

PLUMBERS & PIPEFITTERS (WEST) - That part of the county West of Rt. 47 excluding the City of Morris.

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial/Decoration Day, Fourth of July, Labor Day, Veterans Day, Thanksgiving Day, Christmas Day. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration such as the day after Thanksgiving for Veterans Day. If in doubt, please check with IDOL.

EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date.

ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in

the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATIONS TECHNICIAN

Installation, operation, inspection, maintenance, repair and service of radio, television, recording, voice, sound and vision production and reproduction, telephone and telephone interconnect, facsimile, equipment and appliances used for domestic, commercial, educational and entertainment purposes, pulling of wire through conduit but not the installation of conduit.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all mateiral that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installatin of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and experiors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and experior which sare installed in a similar manner.

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION
Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement

Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters Unskilled dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnatrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

OPERATING ENGINEERS - BUILDING

Class 1. Mechanic; Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson attachment; Batch Plant; Benoto; Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver; Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, one, two and three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes; Squeeze Cretes-screw Type Pumps; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-form Paver; Straddle Buggies; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Greaser Engineer; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, inside Freight Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Laser Screed; Rock Drill (self-propelled); Rock Drill (truck mounted); Rollers, All; Steam Generators; Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Combination - Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators - (Rheostat Manual Controlled); Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 small Electric Drill Winches; Bobcat (up to and including 3/4 cu.

yd.).

Class 4. Bobcats and/or other Skid Steer Loaders; Oilers; and Brick Forklift.

OPERATING ENGINEERS - HEAVY AND HIGHWAY CONSTRUCTION
Class 1. Craft Foreman; Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines; ABG Paver; Backhoes with Caisson attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted): Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Hammerhead, Linden, Peco & Machines of a like nature; Crete Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dowell machine with Air Compressor; Dredges; Field Mechanic-Welder; Formless Curb and Gutter Machine; Gradall and Machines of a like nature; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Mounted; Hoists, One, Two and Three Drum; Hydraulic Backhoes; Backhoes with shear attachments; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Roto Mill Grinder; Slip-Form Paver; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Trenching Machine; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole; Drills (Tunnel Shaft); Underground Boring and/or Mining Machines; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Greaser Engineer; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; All Locomotives, Dinky; Pump Cretes; Squeeze Cretes-Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotory Snow Plows; Rototiller, Seaman, etc., self-propelled; Scoops - Tractor Drawn; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper; Scraper - Prime Mover in Tandem (Regardless of Size); Tank Car Heater; Tractors, Push, Pulling Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Fireman on Boilers; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper - Form-Motor Driven.

Class 4. Air Compressor; Combination - Small Equipment Operator;

Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Hydro-Blaster; Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Tractaire; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. Bobcats (all); Brick Forklifts; Oilers.

TERRAZZO FINISHER

The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 618/993-7271 for wage rates or clarifications.

LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.