

**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 than 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 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 "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 bidders check IDOT's website at <http://www.dot.il.gov/desenv/delett.html> before submitting final bid information.

***IDOT IS NOT RESPONSIBLE FOR ANY E-MAIL FAILURES.***

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

Technical Questions about downloading these files may be directed to Tim Garman (217)524-1642 or [Timothy.Garman@illinois.gov](mailto:Timothy.Garman@illinois.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?**

<b>Questions Regarding</b>	<b>Call</b>
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

**ADDENDUMS AND REVISIONS TO THE PROPOSAL FORMS**

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

RETURN WITH BID

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Proposal Submitted By
Name
Address
City

Letting April 3, 2009

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. 64F06  
BOONE County  
Section (13,14-1)RS-2  
Route FAP 525  
Project ESP-525(115)  
District 2 Construction Funds**

PLEASE MARK THE APPROPRIATE BOX BELOW:

- A Bid Bond is included.
- A Cashier's Check or a Certified Check is included

Plans Included  
Herein

Prepared by  
Checked by F

(Printed by authority of the State of Illinois)

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## 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.

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### 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



PROPOSAL

TO THE DEPARTMENT OF TRANSPORTATION

1. Proposal of \_\_\_\_\_  
\_\_\_\_\_

Taxpayer Identification Number (Mandatory) \_\_\_\_\_

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

**Contract No. 64F06  
BOONE County  
Section (13,14-1)RS-2  
Project ESP-525(115)  
Route FAP 525  
District 2 Construction Funds**

**This project consists of resurfacing on U.S. Route 20 from Farmington Way to the McHenry county line in Belvedere for a length of 5.4 miles.**

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**

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 -

64F06

State Job # - C-92-119-09  
 PPS NBR - 2-36250-0000  
 County Name - BOONE- -  
 Code - 7 - -  
 District - 2 - -  
 Section Number - (13,14-1)RS-2

Project Number  
 ESP-0525/115/

Route  
 FAP 525

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
Z0028415	GEOTECHNICAL REINF	SQ YD	153.000				
Z0028700	GRAN SUBGRADE REPL	CU YD	7.000				
Z0040315	PILOT CAR	DAY	8.000				
21101600	TOPSOIL F & P VAR DP	SQ YD	17,139.000				
25000210	SEEDING CL 2A	ACRE	3.500				
25000400	NITROGEN FERT NUTR	POUND	319.000				
25000500	PHOSPHORUS FERT NUTR	POUND	319.000				
25000600	POTASSIUM FERT NUTR	POUND	319.000				
25100630	EROSION CONTR BLANKET	SQ YD	17,139.000				
28000255	TEMP EROS CONTR SEED	ACRE	4,957.000				
40600200	BIT MATLS PR CT	TON	101.000				
40600300	AGG PR CT	TON	402.000				
40600535	LEV BIND HM N70	TON	56.000				
40600635	LEV BIND MM N70	TON	3,753.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SCHEDULE OF PRICES  
 CONTRACT  
 NUMBER -

64F06

State Job # - C-92-119-09  
 PPS NBR - 2-36250-0000  
 County Name - BOONE -  
 Code - 7 - -  
 District - 2 - -  
 Section Number - (13,14-1)RS-2

Project Number  
 ESP-0525/115/

Route  
 FAP 525

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
40600735	P LEV BIND HM N70	TON	25.000				
40600837	P LEV BIND MM N70	TON	1,703.000				
40600895	CONSTRUC TEST STRIP	EACH	2.000				
40600982	HMA SURF REM BUTT JT	SQ YD	1,340.000				
40600990	TEMPORARY RAMP	SQ YD	3,954.000				
40601005	HMA REPL OVER PATCH	TON	199.000				
40603315	HMA SC "C" N70	TON	5,701.000				
40603340	HMA SC "D" N70	TON	5,629.000				
40603590	P HMA SC "F" N70	TON	2,554.000				
40800050	INCIDENTAL HMA SURF	TON	1,454.000				
44000155	HMA SURF REM 1 1/2	SQ YD	44,452.000				
44000157	HMA SURF REM 2	SQ YD	31,243.000				
44000198	HMA SURF REM VAR DP	SQ YD	4,170.000				
44002234	HMA RM OV PATCH 8 1/2	SQ YD	347.000				
44004250	PAVED SHLD REMOVAL	SQ YD	74.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SCHEDULE OF PRICES  
 CONTRACT  
 NUMBER -

64F06

State Job # - C-92-119-09  
 PPS NBR - 2-36250-0000  
 County Name - BOONE- -  
 Code - 7 - -  
 District - 2 - -  
 Section Number - (13,14-1)RS-2

Project Number  
 ESP-0525/115/

Route  
 FAP 525

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
44200202	PAVT PATCH T2 17	SQ YD	23.000				
44200204	PAVT PATCH T3 17	SQ YD	17.000				
44200206	PAVT PATCH T4 17	SQ YD	39.000				
44300200	STRIP REF CR CON TR	FOOT	52,690.000				
48101200	AGGREGATE SHLDS B	TON	432.000				
48102100	AGG WEDGE SHLD TYPE B	TON	32.000				
60255500	MAN ADJUST	EACH	4.000				
63500205	REM & REP DELINEATORS	EACH	44.000				
64200105	SHOULDER RUMBLE STRIP	FOOT	43,990.000				
67000400	ENGR FIELD OFFICE A	CAL MO	6.000				
67100100	MOBILIZATION	L SUM	1.000				
70100450	TRAF CONT-PROT 701201	L SUM	1.000				
70100460	TRAF CONT-PROT 701306	L SUM	1.000				
70102620	TR CONT & PROT 701501	L SUM	1.000				
70102622	TR CONT & PROT 701502	L SUM	1.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SCHEDULE OF PRICES  
 CONTRACT  
 NUMBER -

64F06

State Job # - C-92-119-09  
 PPS NBR - 2-36250-0000  
 County Name - BOONE - -  
 Code - 7 - -  
 District - 2 - -  
 Section Number - (13,14-1)RS-2

Project Number  
 ESP-0525/115/

Route  
 FAP 525

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
70102635	TR CONT & PROT 701701	L SUM	1.000				
70300100	SHORT-TERM PAVT MKING	FOOT	36,488.000				
70301000	WORK ZONE PAVT MK REM	SQ FT	3,041.000				
78000100	THPL PVT MK LTR & SYM	SQ FT	742.000				
78000200	THPL PVT MK LINE 4	FOOT	97,646.000				
78000400	THPL PVT MK LINE 6	FOOT	2,613.000				
78000500	THPL PVT MK LINE 8	FOOT	499.000				
78000600	THPL PVT MK LINE 12	FOOT	2,938.000				
78000650	THPL PVT MK LINE 24	FOOT	351.000				
78100100	RAISED REFL PAVT MKR	EACH	854.000				
78300200	RAISED REF PVT MK REM	EACH	375.000				
81400115	HANDHOLE TO BE ADJUST	EACH	2.000				
88600400	DET LOOP SPL	FOOT	1,272.000				

**CONTRACT NUMBER**

**64F06**

**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 \$177,412.00. Sixty percent of the salary is \$106,447.20.

## RETURN WITH BID

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.

## RETURN WITH BID

(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.

## RETURN WITH BID

### **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, Section 50-60(c), provides:

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.**

**NA - FEDERAL**

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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.

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

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

## RETURN WITH BID

### M. Disclosure of Business Operations in Iran

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

- (1) More than 10% of the Company's revenues produced in or assets located in Iran involve oil-related activities or mineral-extraction activities; less than 75% of the Company's revenues produced in or assets located in Iran involve contracts with or provision of oil-related or mineral-extraction products or services to the Government of Iran or a project or consortium created exclusively by that government; and the Company has failed to take substantial action.
- (2) The Company has, on or after August 5, 1996, made an investment of \$20 million or more, or any combination of investments of at least \$10 million each that in the aggregate equals or exceeds \$20 million in any 12-month period, which directly or significantly contributes to the enhancement of Iran's ability to develop petroleum resources of Iran.

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

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

Check the appropriate statement:

Company has no business operations in Iran to disclose.

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

### N. Registration with the State Board of Elections.

Public Act 95-0971, amending the Illinois Procurement Code, 30 ILCS 500, adding new sections 20-160 and 50-37, and Executive Order 3 (2008) establish new requirements affecting contributions that contractors, consultants, vendors and bidders, including affiliated persons and entities, may make to state officeholders, declared candidates for state offices and political organizations established to benefit such officeholders and candidates. These provisions do not apply to federal-aid contracts.

By submission of a bid, the bidder acknowledges and agrees that it has read and understands the requirements of PA 95-0971 and Executive Order 3 (2008), including but not limited to, all reporting requirements and all restrictions on soliciting and making contributions to state officeholders, declared candidates for state offices and covered political organizations that promote the candidacy of an officeholder or declared candidate for office. In addition, the bidder makes the following certifications:

- (1) As to Executive Order 3 (2008), the bidder certifies that no contribution will be made that would violate the order, and that the bidder will report all contributions as required by the order.
- (2) As to PA 95-0971, the bidder shall check either of the following certifications that apply:

The bidder is not required to register as a business entity with the State Board of Elections.

The bidder has registered as a business entity with the State Board of Elections, and acknowledges a continuing duty to update the registration as required the Act. **A copy of the time-stamped certificate of registration is enclosed with the bid. The Department will not award this contract without the submission of a certificate of registration.**

In accordance with Article 101.09 of the Standard Specifications for Road and Bridge Construction, this certification shall be part of the contract. Compliance with PA 95-0971 and Executive Order 3 (2008) is a material part of the contract and any breach shall be cause to void the contract under Section 50-60 of the Illinois Procurement Code.

**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 check the following certification statement indicating that the information previously submitted by the bidder is, as of the date of submission, current and accurate. Before checking this certification, the bidder should carefully review its prior submissions to ensure the Certification is correct. If the Bidder checks 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)



\_\_\_\_\_  
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 \$102,600.00? YES \_\_\_ NO \_\_\_
  3. Does anyone in your organization receive more than \$106,447.20 of the bidding entity's or parent entity's distributive income? (Note: Distributive income is, for these purposes, any type of distribution of profits. An annual salary is not distributive income.) YES \_\_\_ NO \_\_\_
  4. Does anyone in your organization receive greater than 5% of the bidding entity's or parent entity's total distributive income, but which is less than \$106,447.20? YES \_\_\_ NO \_\_\_
- (Note: Only one set of forms needs to be completed per person per bid even if a specific individual would require a yes answer to more than one question.)

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

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

**Form B: Identifying Other Contracts & Procurement Related Information** Disclosure Form B must be completed for each bid submitted by the bidding entity. Note: *Checking the NOT APPLICABLE STATEMENT on Form A does not allow the bidder to ignore Form B. Form B must be completed, checked, 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 check 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:

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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 \$106,447.20 (60% of the Governor's salary as of 3/1/09). (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 \$106,447.20, (60% of the Governor's salary as of 3/1/09) provide the name the State agency for which you are employed and your annual salary.

**RETURN WITH BID/OFFER**

- 3. If you are currently appointed to or employed by any agency of the State of Illinois, and your annual salary exceeds \$106,447.20, (60% of the Governor's salary as of 3/1/09) 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 \$106,447.20, (60% of the Governor's salary as of 3/1/09) are you and your spouse or minor children entitled to receive (i) more than 15% in 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 \_\_\_

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(b) State employment of spouse, father, mother, son, or daughter, including contractual employment for 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 \$106,447.20, (60% of the Governor's salary as of 3/1/09) provide the name of the spouse and/or minor children, the name of the State agency for which he/she is employed and his/her annual salary. \_\_\_\_\_

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- 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 \$106,447.20.00, (60% of the salary of the Governor as of 3/1/09) 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 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 \$106,447.20, (60% of the Governor's salary as of 3/1/09) are you and your spouse or any minor children entitled to receive (i) more than 15% in the aggregate of the total distributable income from your firm, partnership, association or corporation, or (ii) an amount in excess of 2 times the salary of the Governor? Yes \_\_\_ No \_\_\_

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(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 \_\_\_

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

Yes \_\_\_ No \_\_\_

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(e) Appointive office; the holding of any appointive government office of the State of Illinois, the United State 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 \_\_\_

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

Yes \_\_\_ No \_\_\_

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

Yes \_\_\_ No \_\_\_

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**RETURN WITH BID/OFFER**

(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:  \_\_\_\_\_ Date \_\_\_\_\_  
Signature of Individual or Authorized Representative

**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.**

\_\_\_\_\_ Date \_\_\_\_\_  
Signature of Authorized Representative

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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 CHECKED

Signature of Authorized Representative, Date

## **RETURN WITH BID**

### **SPECIAL NOTICE TO CONTRACTORS**

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

#### **CONSTRUCTION EMPLOYEE UTILIZATION PROJECTION**

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



**RETURN WITH BID**

**Contract No. 64F06  
BOONE County  
Section (13,14-1)RS-2  
Project ESP-525(115)  
Route FAP 525  
District 2 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**

**ADDITIONAL FEDERAL REQUIREMENTS**

In addition to the Required Contract Provisions for Federal-Aid Construction Contracts (FHWA 1273), all bidders make the following certifications.

- A. By the execution of this proposal, the signing bidder certifies that the bidding entity has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action, in restraint of free competitive bidding in connection with the submitted bid. This statement made by the undersigned bidder is true and correct under penalty of perjury under the laws of the United States.
- B. CERTIFICATION, EQUAL EMPLOYMENT OPPORTUNITY:
1. Have you participated in any previous contracts or subcontracts subject to the equal opportunity clause. YES \_\_\_\_\_ NO \_\_\_\_\_
  2. If answer to #1 is yes, have you filed with the Joint Reporting Committee, the Director of OFCC, any Federal agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements of those organizations? YES \_\_\_\_\_ NO \_\_\_\_\_

**RETURN WITH BID**

**Contract No. 64F06  
BOONE County  
Section (13,14-1)RS-2  
Project ESP-525(115)  
Route FAP 525  
District 2 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.

(IF AN INDIVIDUAL) Firm Name \_\_\_\_\_  
Signature of Owner \_\_\_\_\_  
Business Address \_\_\_\_\_  
\_\_\_\_\_

(IF A CO-PARTNERSHIP) Firm Name \_\_\_\_\_  
By \_\_\_\_\_  
Business Address \_\_\_\_\_  
Name and Address of All Members of the Firm: \_\_\_\_\_  
\_\_\_\_\_

(IF A CORPORATION) Corporate Name \_\_\_\_\_  
By \_\_\_\_\_  
Signature of Authorized Representative \_\_\_\_\_  
Typed or printed name and title of Authorized Representative \_\_\_\_\_

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

(IF A JOINT VENTURE) Corporate Name \_\_\_\_\_  
By \_\_\_\_\_  
Signature of Authorized Representative \_\_\_\_\_  
Typed or printed name and title of Authorized Representative \_\_\_\_\_

Attest \_\_\_\_\_  
Signature \_\_\_\_\_  
Business Address \_\_\_\_\_

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



Return with Bid

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...

THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH, that whereas, the PRINCIPAL has submitted a bid proposal to the STATE OF ILLINOIS...

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...

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.

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) (Company Name)
By (Signature & Title) 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 the proposal and marking the check box next to the Signature and Title line 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



# 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. 64F06  
BOONE County  
Section (13,14-1)RS-2  
Project ESP-525(115)  
Route FAP 525  
District 2 Construction Funds**



**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., April 3, 2009. 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. 64F06  
BOONE County  
Section (13,14-1)RS-2  
Project ESP-525(115)  
Route FAP 525  
District 2 Construction Funds**

**This project consists of resurfacing on U.S. Route 20 from Farmington Way to the McHenry county line in Belvedere for a length of 5.4 miles.**

- 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

Gary Hannig,  
Acting Secretary

INDEX  
 FOR  
 SUPPLEMENTAL SPECIFICATIONS  
 AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2009

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

ERRATA Standard Specifications for Road and Bridge Construction (Adopted 1-1-07) (Revised 1-1-09)

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## STATE OF ILLINOIS

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### 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 FAP Route 525 (US 20), Project ESP-0525 (115); Section (13, 14-1)RS-2, Boone County, Contract #64F06, and in case of conflict with any part or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

### LOCATION OF PROJECT

The project is located in Bonus Township in the unincorporated Boone County. The project is located approximately 0.44 mile east of US 20 and the Belvidere Road/Genoa Road in Boone County. The project length is 5.50 miles. The project is located in Bonus Township in Sections 31, 32, 33, 34, 35, and 36, Township 44N and Range 4E. This improvement begins at a point on the centerline of US 20 approximately 2,361 feet east of Belvidere Road/Genoa Road, extends in the easterly direction for 5.50 miles, and terminates at approximately 193 feet east of County Line Road. The net length of the improvement is 28,428 feet (5.38 mile).

### DESCRIPTION OF PROJECT

This project includes cold milling, pavement patching, overlaying, and hot-mix asphalt resurfacing of US 20 and the side streets.

### TRAFFIC CONTROL PLAN

Effective January 14, 1999

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

Special attention is called to Articles 107.09 and 107.14 of the Standard Specifications for Road and Bridge Construction and the following Highway Standards relating to traffic control.

Standards:

701006, 701011, 701201, 701301, 701306, 701311, 701501,  
701502, 701701, 701901, 720011, 728001, 729001

Details:

Rough Grooved Surface Sign (District Standard 91.2)

General:

All full depth patching will be completed before the leveling binder is paved on the roadway.

In areas schedule for milling and resurfacing with leveling binder and surface curse, the leveling binder shall be placed within three (3) days of the milling operation. Milled areas scheduled for all other bituminous surfacing shall be paved within ten (10) calendar days.

Signs:

No bracing shall be allowed on post-mounted signs.

Post mounted signs shall be installed using standard 720011, 728001, 729001, on 4"x4" wood posts, or on any other "break away" connection if accepted by FHWA and corresponding letter is provided to the resident.

"BUMP" (W8-1(O)48) signs shall be installed as directed by the Engineer.

"UNEVEN LANES" W8-11(O)48 signs shall be installed at 2 mile intervals or as directed by the Engineer on roadways where the posted speed is greater than 40 mph.

"LOW SHOULDER" W8-9(O)48 signs shall be installed at 2 mile intervals or as directed by the Engineer.

When covering existing Department signs, no tape shall be used on the reflective portion of the sign. Contact the District sign shop for covering techniques.

Pavement Markings:

Temporary pavement markings shall not be included in the cost of the standard rather it shall be paid for separately at the contract unit prices of specified temporary pavement marking items.

Devices:

A minimum of 3 drums spaced at 4 feet shall be placed at each return when the sideroad is open.

Flaggers:

Flaggers shall comply with all requirements contained in the Department's "Flagger Handbook" with following exception: The ANSI Class 2 vest will not be supplied by the Department.

In addition to the flaggers shown on applicable standards, on major sideroads listed below, flaggers shall be required on all legs of the intersection. Major sideroads for this project shall be Logan/Shattuck Road.

Revise the first paragraph of Article 701.13(a) of the Standard Specifications to read:

“Two Lane Highways. Two flaggers will be required for each separate operation where two-way traffic is maintained over one lane of pavement. Work operations between Farmington Way and Logan Avenue shall have a maximum distance of 3,500 feet between flaggers. Work operations between Logan Avenue and the McHenry County line shall have a maximum distance of 1,800 feet between flaggers. Flaggers shall be in sight of each other or in direct communication at all times. Direct communication shall be obtained by using portable two-way radios or walkie-talkies.

An additional flagger will be required at each side road within the operation where two-way traffic is maintained on one lane of pavement.

Traffic Control and Protection Standard 701701. This work shall be done according to Section 701 of the Standard Specifications and the Typical Application of Traffic Control Devices for Highway Construction, Standard 701701, and as specified herein.

The “left” leg of the intersection shown on this standard also applies when the right turn lane is closed. When the right turn lane is closed, “RIGHT TURN LANE CLOSED AHEAD” shall be substituted for the “LEFT TURN LANE CLOSED AHEAD” and the set up would be a mirror image to what is shown.

This work shall be included in the contract unit price per Lump Sum for TRAFFIC CONTROL AND PROTECTION STANDARD 701701.

Pilot Car: During the bituminous priming operation, the Contractor shall be required to provide a pilot car to lead the traffic through the areas primed.

The pilot car shall be a pickup truck, carrying the Contractor's company insignia, equipped with “PILOT CAR - FOLLOW ME” (G-20-4(0)) signs. Two signs shall be mounted on the vehicle so as to be clearly visible from both directions. The bottom of the sign shall be mounted at least 300 mm (one foot) above the top of the cab. The pilot car shall be equipped with a two-way radio so normal communication with the flagger at each end of the work area can be maintained.

The pilot car shall be paid for by the day. If the pilot car is used less than four hours, the operation will be counted as a half day.

This work will be paid for at the contract unit price Per Day for PILOT CAR for each car required by the Engineer.

Maintenance of Traffic: The mainline shall be kept open to on-way traffic at all times during working hours and two-way traffic during non-working hours.

The Contractor shall be required to notify Boone County Highway Department and Bonus Township Highway Commissioner for any sideroad closure or opening.

The sawing of patches, resurfacing and placing of shoulder aggregate shall be completed using Traffic Control and Protection Standard 701306 and 701502.

The pavement patch removal and replacement shall be completed using Traffic Control and Protection Standard 701201.

The Contractor shall have all lanes open on weekends, unless prior approval is obtained from the Resident Engineer.

Placing and removing pavement marking shall be completed using Traffic Control and Protection Standard 701301, 701306, and 701311.

Marking patches shall be completed using Traffic Control and Protection Standard 701301.

## **MAINTENANCE OF ROADWAYS**

Effective: September 30, 1985

Revised: November 1, 1996

Beginning on the date that the Contractor begins work on this project, he shall assume responsibility for normal maintenance of all existing roadways within the limits of the improvement. This normal maintenance shall include all repair work deemed necessary by the Engineer, but shall not include snow removal operations. Traffic control and protection for maintenance of roadways will be provided by the Contractor as required by these special provisions, plans, and Engineer.

If items of work have not been provided for in the contract, or otherwise specified for payment, such items, including the accompanying traffic control and protection required by the Engineer, will be paid for in accordance with Article 109.04 of the Standard Specifications.

## **HOT-MIX ASPHALT REPLACEMENT OVER PATCHES**

Description: This item shall be completed in accordance with the applicable portions of Section 406 of the Standard Specifications. This work will include the replacing the hot-mix asphalt pavement over as shown on the plans or as directed by the Engineer.

Construction: The sequence of construction shall follow the District standard 32.4.

Basis of Payment: Payment for furnishing and placing of hot-mix asphalt shall be made at the contract unit price bid per ton for HOT-MIX ASPHALT REPLACEMENT OVER PATCHES. Payment shall be full compensation for all furnishing and placing materials, labor, equipment, and incidentals items necessary to complete the work as specified.

## **BITUMINOUS PATCHING AND BITUMINOUS CONCRETE BINDER AND SURFACE COURSE**

Effective August 18, 1993

Article 406.07 - Compaction. This is to modify the first paragraph of the subject Article. Immediately after the Binder or Surface Course Mixtures are placed, each shall be given an initial or breakdown rolling with a three wheeled or tandem roller. After the initial rolling, the Binder or Surface course shall be given an intermediate rolling with a pneumatic-tired roller. The final or finish rolling shall be done with a tandem roller or vibratory roller in the static mode only. If density can not be obtained with one three wheeled or tandem roller additional static rollers shall be added until density can be achieved.

**BITUMINOUS CONCRETE SURFACE COURSE, CUT OFF DATE**

Effective December 8, 1998

Placement of Bituminous Concrete Surface Course will not be permitted after October 15 unless approved, in writing, by the Resident Engineer.

**REMOVING AND REPLACING DELINEATORS**

Work shall include the removal of the existing delineator post and reflectors and installing a new delineator post and reflectors in accordance with Section 635 of the current Standard Specifications for Road and Bridge Construction.

Basis of Payment: Payment for removal and installation of delineators shall be made at the contract unit price bid per each for REMOVING AND REPLACING DELINEATORS. Payment shall be full compensation for all furnishing and placing materials, removal, labor, equipment, and incidentals items necessary to complete the work as specified.

**GEOTECHNICAL REINFORCEMENT**

Revised September 1, 2004

Biaxial Geogrid Flat Installation

This work consists of furnishing and installing an integrally-formed polypropylene geotechnical grid reinforcement material. The grid shall have an aperture, rib and junction cross section sufficient to permit significant mechanical interlock with the material being reinforced. There shall be a high continuity of tensile strength through all ribs and junctions of the grid material to reinforce the embankment or subgrade as shown on the plans and specifications.

Materials: Each layer of geogrid shall conform to the property requirements listed below. Multilayer geogrid and multiple layers of lesser strength geogrids will not be accepted.

**Reinforcement and Interlock**

<u>Property</u>	<u>Test Method</u>	<u>Value</u>
<u>Tensile Modulus:</u>		
▪ True Tensile Modulus	ASTMD 6637	17,000 lb./ft. (Min.)
▪ True Tensile Strength @ 2% Strain		280 lb./ft. (Min.)
▪ True Tensile Strength @5% Strain		580 lb./ft. (Min.)
<u>Apertures:</u>		
▪ Aperture Stability	USACE*	2.7 in. – lb./deg. (min.)
▪ Open Area	COE Method Modified**	70% (Nom.)

- \* Resistance to in-plane rotational movement measured by applying a 20 kg-cm moment to the central junction of a 9 inch x 9 inch specimen restrained at its perimeter (U.S. Army Corps of Engineers Methodology for measurement of Torsional Rigidity).
- \*\* Percent open area measured without magnification by Corps of Engineers method as specified in CW 02215 Civil Works Construction Guide, November, 1977.

Structural Integrity:

- Flexural Stiffness                    ASTM D-5732-95 \*\*\*                    0.2 in.-lb. (Min.)
- Junction Efficiency                    GRI GG2-87\*\*\*\*                    90% (Min.)

\*\*\* Resistance to bending force measured via ASTM D-5732-95, using specimens of width two ribs wide, with transverse ribs cut flush with exterior edges of longitudinal ribs (as a “ladder), and of length sufficiently long to enable measurement of the overhang dimension. The overall Flexural Stiffness is calculated as the square root of the product of machine-and cross-machine-direction Flexural Stiffness values.

\*\*\*\* Load transfer capability measured via GRI-GG2-87. Expressed as a percentage of ultimate tensile strength.

Material

- |               |  |             |
|---------------|--|-------------|
| Polypropylene | ASTM D 1401<br>Group I/Class 1/Grade 2 | 98% (Min.)  |
| Carbon Black  | ASTM 4218                              | 0.5% (Min.) |

The supplier should provide a certification that their product meets the above requirements.

The geotechnical reinforcement shall be placed as described herein or as shown on the cross sections.

Geogrid shall be delivered to the jobsite in such a manner as to facilitate handling and incorporation into the work without damage. Material shall be stored in such a manner as to prevent exposure to direct sunlight and damage by other construction activities.

Prior to the installation of the geogrid, the application surface shall be cleared of debris, sharp objects and trees. Tree stumps shall be cut to the level of the ground surface. If the stumps cannot be cut to the ground level, they shall be completely removed. In the case of subgrades, all wheel tracks or ruts in excess of 75 mm (3 inches) in depth shall be graded smooth or otherwise filled with soil to provide a reasonably smooth surface.

The geotechnical reinforcement shall be placed with the “roll length” parallel to the pavement. Fabric of insufficient width or length to fully cover the specified area shall be lapped a minimum of 600 mm (24 inches).

Installation:

The granular blanket shall be constructed to the width and depth required on the plans. Unless otherwise specified, the material shall be back-dumped on the Geogrid in a sequence of operations beginning at the outer edges of the treatment area with subsequent placement towards the middle.

Placement of material on the Geogrid shall be accomplished by spreading dumped material off of previously placed material with a bulldozer blade or endloader, in such a manner as to prevent tearing or shoving of the Geogrid. Dumping of material directly on the Geogrid will only be permitted to establish an initial working platform. No construction equipment shall be allowed on the Geogrid prior to placement of the granular blanket.

Unless otherwise specified in the plans or Special Provisions, the granular material, shall be placed to the full required thickness and compacted.

Geogrid which is damaged during installation or subsequent placement of granular material, due to failure of the Contractor to comply with these provisions, shall be repaired or replaced at his expense, including costs of removal and replacement of the granular material.

Torn Geogrid may be patched in-place by cutting and placing a piece of the same Geogrid over the tear. The dimensions of the patch shall be at least 600 mm (2 feet) larger than the largest dimension of the tear and it shall be weighted or otherwise secured to prevent the granular material from causing lap separation.

Method of Measurement: Geotechnical Reinforcement will be measured in square meters (square yards) for the surface area placed. The excavation, replacement and compaction of the granular layer shall be paid for separately. Each layer of geogrid will be paid for separately.

Basis of Payment: This work will be measured in place and the area computed in square yards. The work will be paid for at the contract unit price per Square Meter (Square Yard) for GEOTECHNICAL REINFORCEMENT.

**ENGINEER'S FIELD OFFICE TYPE A**

Effective: December 8, 2006

Revise Article 670.02 (i) of the Standard Specifications to read:

Provide a minimum of two (2) communication paths to each Field Office. The configuration would include (A) three (3) wireless CDMA based mobile phone connections, and (B) one (1) wireless data router with wireless data connection, encryption and WiFi capabilities to access the internet for the exclusive use of the Engineer(s). All wireless communication devices must have a single point of contact for support for the resident engineer and IDOT staff.

Each mobile phone must have the following capabilities:

1. A minimum of 500 anytime minutes per month
2. Voice Mail capabilities
3. On network free minutes
4. Unlimited Long Distance
5. Unlimited Roaming
6. Speaker Phone

Each Wireless Data Router must have the following capabilities:

Connection

1. CDMA wireless technology with authentication and identification system for security
2. CDMA based EV-DO (rev.A) transmission capabilities
3. EV-DO (rev.A) must be backward compatible through both EV-DO (rev0) and 1XRTT
4. Connection must be capable of Compression in order to optimize the connection speed

Router

5. A minimum of four (4) Ethernet ports for wired connection
6. Be capable of 802.11b & g for wireless LAN Interface
7. Configurable ability to port data to fax capabilities through the router using efax or IP fax devices
8. Automatic receipt of IP addresses with DHCP server
9. Configurable OFDM (Orthogonal Frequency Division Multiplexing) technology

Security

10. Configurable capable of 64-bit or 128-bit WEP encryption, WPA-PSK authentication wireless security (WiFi Protected Access- Pre-shared Key Mode)
11. Configurable LAN Security: NAT with DHCP, PPTP VPN Pass-through, MAC Filtering, IP Filtering, Filter Scheduling
12. Configurable firewall security at the router

Misc.

13. Capable of operating temperatures between 32° to 131° F (0° to 55°C)

The Contractor will be responsible for the installation, connection and disconnection of all service. These communication costs shall be contracted at the lowest cost available for the region of service. Any deviation from the desired configurations shall be subject to the approval of the District Construction Engineer.

Should the contractor need technical advice on potential providers or other clarification, they can contact the Regional IT Manager at (815) 284-5495.

## **TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH**

Description: This item shall be completed in accordance with the applicable portions of Section 211 of the Standard Specifications with the following general additions. This work will include furnishing and placing, and grading the topsoil material as shown on the typical sections or as directed by the Engineer.

Materials: Topsoil thickness shall be one and one-half (1 ½) inches in depth at the edge of pavement. The topsoil shall taper to zero (0) inches at a distance of four (4) feet.

Basis of Payment: Payment for furnishing and placing of topsoil shall be made at the contract unit price bid per cubic yard for TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH. Payment shall be full compensation for all furnishing and placing materials, labor, equipment, and incidentals items necessary to complete the work as specified.

## **TEMPORARY EROSION CONTROL SEEDING**

Effective: November 1, 1999

Description: This work shall consist of seeding all erodable/bare earth areas every 7 days to minimize the amount of erodable surface area within the contract limits.

Materials: Seeds shall meet the requirements of Article 1081.04 of the Standard Specifications and shall not consist of Oats from March 1 to July 31 and Winter Wheat from August 1 to November 15. Seed shall be delivered to the job site in unopened, labeled bags. A certification from the supplier stating the weight and contents of the bag shall be printed on or attached to each bag along with a certification stating that the seed meets the requirements of Article 1081.04(c) of the Standard Specifications.

Construction Requirements: Seedbed preparation will not be required for Temporary Erosion Control Seeding if the soil is in a loose condition. Light disking shall be done if the soil is hard or caked. The Contractor shall coordinate his work so no more than a total of 10 acres is disturbed at a time. All earthwork shall be completed, and temporary or permanently seeding complete before additional areas are disturbed. Under no conditions shall the Contractor prolong final grading and shaping so the entire project can be permanently seeded at one time. Wherever possible, final grading should be permanently seeded and the permanent erosion control should be installed. The ditch bottoms and back slopes shall not be disturbed again unless the seeding has not become established. When fore slopes need to be regarded to the new shoulder, all work shall be confined to the fore slopes, and any damage to the ditch bottom, back slope, or permanent erosion control shall be repaired at the Contractor expense. Fertilizer nutrients will not be required (unless directed by the Engineer).

Hand broadcasting of the seed or other seeding method approved by the Engineer that will achieve a broad and reasonably uniform application, will be allowed. Seed bags shall be opened in the presence of the Engineer and the seed shall be evenly broadcast onto bare earth area at a rate of 110 kg/hectare (100 lbs./acre). If an area that was seeded is germinating or has growth, it need not be seeded again until it is disturbed.

The Contractor shall apply seed to all erodable bare earth areas within the contract limits every 7 days, regardless of weather conditions or progress of the work unless otherwise directed by the Engineer. The Engineer may require critical locations be given special treatment and seeded immediately. The Contractor shall have 48 hours to comply with the request.

The Contractor shall name a person at the preconstruction meeting who shall be on the jobsite and who is responsible for assuring that the erosion control work is completed in a timely manner.

Method of Measurement: Temporary Erosion Control Seeding will be measured for payment in acres applied. Open, broken, or partial bags of seed will not be acceptable for use and will not be measured for payment.

Basis of Payment: This work will be paid for at the contract unit price per acre for TEMPORARY EROSION CONTROL SEEDING.

### **DETECTOR LOOP, SPECIAL**

Effective: August 5, 2008

This item shall consist of replacing detector loops, furnishing, installing and testing in accordance with Section 886 of the current Standard Specifications for Road and Bridge Construction.

This item shall include replacing any conduit stubs damaged during the surface grinding process.

For appropriate layout of Detector Loop, the Illinois DOT Bureau of Operations, Scott Kullerstrand (815/284-5468), shall be contacted prior to reinstallation to mark the Detector Loop locations.

This work will be paid for at the contract unit price per Foot for DETECTOR LOOP, SPECIAL, which price shall include furnishing, installing all required components, and testing inductance to assure satisfactory operation.

### **HANDHOLE TO BE ADJUSTED**

This item shall consist of adjusting an existing handhole up to the proposed grade. The existing frame shall be left in place. No. 4 rebars 9" in length shall be drilled and grouted in place vertically at 9" centers in the top of the existing concrete walls of the handhole leaving approximately a 1-1/2" concrete cover above the rebar. A minimum of 5" of additional concrete must be placed above the existing concrete walls. Meeting this requirement may necessitate the removal of a portion of the existing concrete walls and adjacent shoulder HMA. Removal of HMA shall not exceed a distance of 12" from the edge of the handhole. The wall adjustment shall be cast in place and a new frame and cover shall be placed. Care shall be taken to not damage existing wiring which is to remain operational at all times.

This work shall be constructed in accordance with applicable portions of Section 814 of the current Standard Specifications for Road and Bridge Construction. This work will be paid for at the contract unit price per each for HANDHOLE TO BE ADJUSTED, which price shall include furnishing and installing all required material and components, removal of existing concrete and HMA, and removal and disposal of any debris.

### **AMERICAN RECOVERY AND REINVESTMENT ACT SIGNING (BDE)**

Effective: April 1, 2009

Description. This work shall consist of furnishing, fabricating and installing sign panels, complete with sign faces, legend, and supplemental panels according to Section 720 of the Standard Specifications and as specified herein.

Materials. The "Putting America to Work" sign shall be fabricated using Type AP fluorescent orange sheeting for the background material with black vinyl or black opaque ink legend, symbol and borders. The "American Recovery and Reinvestment Act" sign shall be fabricated using Type AP green sheeting for the background with Type AP white sheeting for the legend and border. A green translucent overlay film may also be used over white Type AP sheeting to fabricate the "American Recovery and Reinvestment Act" sign.

Sign Layout. See following attachment.

General. The signs shall be erected to applicable portions of Article 701.14 of the Standard Specifications. These signs shall be erected midway between the first and second warning signs as required by the traffic control plan and standards utilized for this project. If the second warning sign is defining a moving or intermittent operation, the sign may be maintained at a distance of 500 ft (150 m) beyond the first post mounted ROAD CONSTRUCTION AHEAD sign. The signs shall remain in place for the duration of the project. Upon completion of the project, the signs and posts shall be removed and shall remain the property of the Contractor.

Basis of Payment. This work will not be paid for separately but shall be included in the cost of Traffic Control items as shown on the plans.

Attachment

**PROJECT FUNDING SOURCE SIGN ASSEMBLY  
AMERICAN RECOVERY AND REINVESTMENT ACT  
SIGN LAYOUT DETAILS**



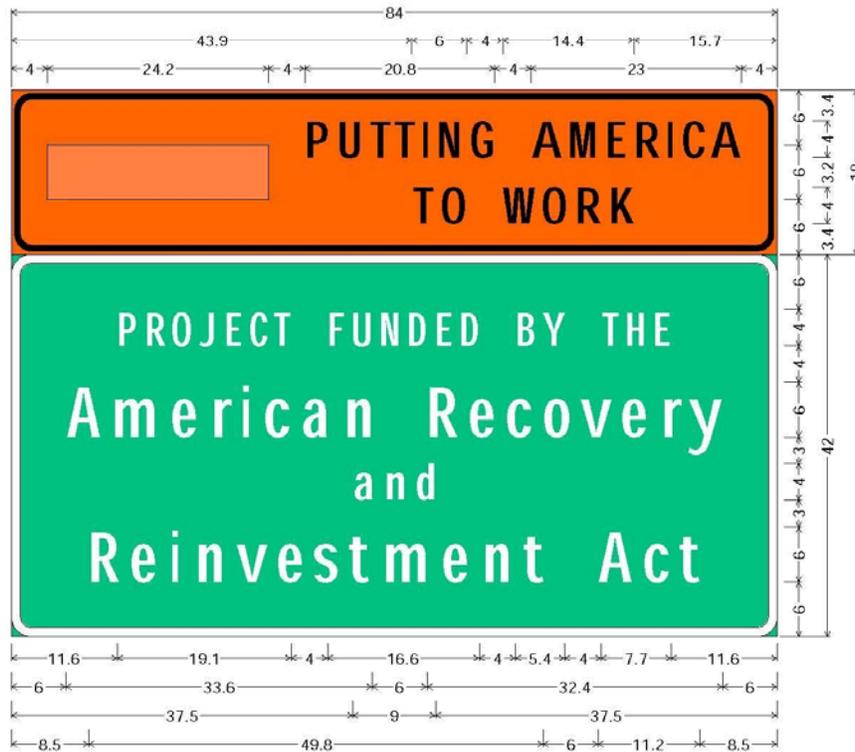
PROJECT FUNDING SOURCE  
SIGN ASSEMBLY

(Note: Outline of small rectangle on plaque shall be removed.)

# PROJECT FUNDING SOURCE SIGN ASSEMBLY AMERICAN RECOVERY AND REINVESTMENT ACT SIGN LAYOUT DETAILS



W21-1A MIN;  
 18.0" across sides 1.5" Radius, 0.6" Border, 0.4" Indent, Black on Orange;



2.3" Radius, 0.6" Border, 0.4" Indent, Black on Orange;  
 Rectangle White; "PUTTING AMERICA" D; "TO WORK" D;  
 2.3" Radius, 1.0" Border, White on Green;  
 "PROJECT FUNDED BY THE" C; "American Recovery" C; "and" D; "Reinvestment Act" C;

## PROJECT FUNDING SOURCE SIGN ASSEMBLY

(Note: Outline of small rectangle on plaque shall be removed.)

**APPROVAL OF PROPOSED BORROW AREAS, USE AREAS, AND/OR WASTE AREAS  
INSIDE ILLINOIS STATE BORDERS (BDE)**

Effective: November 1, 2008

Revise the title of Article 107.22 of the Standard Specifications to read:

**“107.22 Approval of Proposed Borrow Areas, Use Areas, and/or Waste Areas Inside Illinois State Borders.”**

Add the following sentence to the end of the first paragraph of Article 107.22 of the Standard Specifications:

“Proposed borrow areas, use areas, and/or waste areas outside of Illinois shall comply with Article 107.01.”

**AUTOMATED FLAGGER ASSISTANCE DEVICES (BDE)**

Effective: January 1, 2008

Description. This work shall consist of furnishing and operating automated flagger assistance devices (AFADs) as part of the work zone traffic control and protection for two-lane highways where two-way traffic is maintained over one lane of pavement. Use of these devices shall be at the option of the Contractor.

Equipment. AFADs shall be according to the FHWA memorandum, “MUTCD - Revised Interim Approval for the use of Automated Flagger Assistance Devices in Temporary Traffic Control Zones (IA-4R)”, dated January 28, 2005. The devices shall be mounted on a trailer or a moveable cart and shall meet the requirements of NCHRP 350, Category 4.

The AFAD shall be the Stop/Slow type. This device uses remotely controlled “STOP” and “SLOW” signs to alternately control right-of-way.

Signs for the AFAD shall be according to Article 701.03 of the Standard Specifications and the MUTCD. The signs shall be 24 x 24 in. (600 x 600 mm) having an octagon shaped “STOP” sign on one side and a diamond shaped “SLOW” sign on the opposite side. The letters on the signs shall be 8 in. (200 mm) high. If the “STOP” sign has louvers, the full sign face shall be visible at a distance of 50 ft (15 m) and greater.

The signs shall be supplemented with one of the following types of lights.

- (a) Flashing Lights. When flashing lights are used, white or red flashing lights shall be mounted within the “STOP” sign face and white or yellow flashing lights within the “SLOW” sign face.
- (b) Stop and Warning Beacons. When beacons are used, a stop beacon shall be mounted 24 in. (600 mm) or less above the “STOP” sign face and a warning beacon mounted 24 in. (600 mm) or less above, below, or to the side of the “SLOW” sign face. As an option, a Type B warning light may be used in lieu of the warning beacon.

A "WAIT ON STOP" sign shall be placed on the right hand side of the roadway at a point where drivers are expected to stop. The sign shall be 24 x 30 in. (600 x 750 mm) with a black legend and border on a white background. The letters shall be at least 6 in. (150 mm) high.

This device may include a gate arm or mast arm that descends to a horizontal position when the "STOP" sign is displayed and rises to a vertical position when the "SLOW" sign is displayed. When included, the end of the arm shall reach at least to the center of the lane being controlled. The arm shall have alternating red and white retroreflective stripes, on both sides, sloping downward at 45 degrees toward the side on which traffic will pass. The stripes shall be 6 in. (150 mm) in width and at least 2 in. (50 mm) in height.

Flagging Requirements. Flaggers and flagging requirements shall be according to Article 701.13 of the Standard Specifications and the following.

AFADs shall be placed at each end of the traffic control, where a flagger is shown on the plans. The flaggers shall be able to view the face of the AFAD and approaching traffic during operation.

To stop traffic, the "STOP" sign shall be displayed, the corresponding lights/beacon shall flash, and when included, the gate arm shall descend to a horizontal position. To permit traffic to move, the "SLOW" sign shall be displayed, the corresponding lights/beacon shall flash, and when included, the gate arm shall rise to a vertical position.

If used at night, the AFAD location shall be illuminated according to Section 701 of the Standard Specifications.

When not in use, AFADs will be considered nonoperating equipment and shall be stored according to Article 701.11 of the Standard Specifications.

Basis of Payment. This work will not be paid for separately but shall be considered as included in the cost of the various traffic control items included in the contract.

## **CEMENT (BDE)**

Effective: January 1, 2007

Revised: April 1, 2009

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. The total of all inorganic processing additions shall be a maximum of 4.0 percent by weight (mass) of the cement. However, a cement kiln dust inorganic processing addition shall be limited to a maximum of 1.0 percent. 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, Class C fly ash according to the chemical requirements of AASHTO M 295, and cement kiln dust.

- (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 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.

For cast-in-place construction, portland-pozzolan cement shall not be used in concrete mixtures when the air temperature is below 40 °F (4 °C) without permission of the Engineer. If permission is given, the mix design strength requirement may require the Contractor to increase the cement or eliminate the cement factor reduction for a water-reducing or high range water-reducing admixture which is permitted according to Article 1020.05(b).

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 be limited to cement kiln dust at a maximum of 1.0 percent.

- (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 IS portland blast-furnace slag cement may be used for cast-in-place, precast, and precast prestressed concrete, except when Class PP concrete is used. The blast-furnace slag constituent for Type IS shall be a maximum of 25 percent of the weight (mass) of the portland blast-furnace slag cement.

For cast-in-place construction, portland blast-furnace slag cement shall not be used in concrete mixtures when the air temperature is below 40 °F (4 °C) without permission of the Engineer. If permission is given, the mix design strength requirement may require the Contractor to increase the cement or eliminate the cement factor reduction for a water-reducing or high range water-reducing admixture which is permitted according to Article 1020.05(b).

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 be limited to cement kiln dust at a maximum of 1.0 percent.

(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, 3200 psi (22,100 kPa) at 6.0 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 AASHTO T 161, Procedure B.

(e) Calcium Aluminate Cement. Calcium aluminate cement shall be used only where 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.”

## **CONCRETE ADMIXTURES (BDE)**

Effective: January 1, 2003

Revised: April 1, 2009

Replace the first paragraph of Article 1020.05(b) of the Standard Specifications to read:

“(b) Admixtures. The use of admixtures to increase the workability or to accelerate the hardening of the concrete will be permitted when approved by the Engineer. Admixture dosages shall result in the mixture meeting the specified plastic and hardened properties. The Department will maintain an Approved List of Corrosion Inhibitors. Corrosion inhibitor dosage rates shall be according to Article 1020.05(b)(12). The Department will also maintain an Approved List of Concrete Admixtures, and an admixture technical representative shall be consulted when determining an admixture dosage from this list. The dosage shall be within the range indicated on the approved list unless the influence by other admixtures, jobsite conditions (such as a very short haul time), or other circumstances warrant a dosage outside the range. The Engineer shall be notified when a dosage is proposed outside the range. To determine an admixture dosage, air temperature, concrete temperature, cement source and quantity, finely divided mineral sources(s) and quantity, influence of other admixtures, haul time, placement conditions, and other factors as appropriate shall be considered. The Engineer may request the Contractor to have a batch of concrete mixed in the lab or field to verify the admixture dosage is correct. An admixture dosage or combination of admixture dosages shall not delay the initial set of concrete by more than one hour. When a retarding admixture is required or appropriate for a bridge deck or bridge deck overlayer pour, the initial set time shall be delayed until the deflections due to the concrete dead load are no longer a concern for inducing cracks in the completed work. However, a retarding admixture shall not be used to further extend the pour time and justify the alteration of a bridge deck pour sequence.

When determining water in admixtures for water/cement ratio, the Contractor shall calculate 70 percent of the admixture dosage as water, except a value of 50 percent shall be used for a latex admixture used in bridge deck latex concrete overlays.”

Revise Section 1021 of the Standard Specifications to read:

### **“SECTION 1021. CONCRETE ADMIXTURES**

**1021.01 General.** Admixtures shall be furnished in liquid form ready for use. The admixtures shall be delivered in the manufacturer's original containers, bulk tank trucks or such

containers or tanks as are acceptable to the Engineer. Delivery shall be accompanied by a ticket which clearly identifies the manufacturer and trade name of the material. Containers shall be readily identifiable as to manufacturer and trade name of the material they contain.

Corrosion inhibitors will be maintained on the Department's Approved List of Corrosion Inhibitors. All other concrete admixture products will be maintained on the Department's Approved List of Concrete Admixtures. For the admixture submittal, a report prepared by an independent laboratory accredited by the AASHTO Materials Reference Laboratory (AMRL) for Portland Cement Concrete shall be provided. The report shall show the results of physical tests conducted no more than five years prior to the time of submittal, according to applicable specifications. However, for corrosion inhibitors the ASTM G 109 test information specified in ASTM C 1582 is not required to be from an independent lab. All other information in ASTM C 1582 shall be from an independent lab.

Tests shall be conducted using materials and methods specified on a "test" concrete and a "reference" concrete, together with a certification that no changes have been made in the formulation of the material since the performance of the tests. Per the manufacturer's option, the cement content for all required tests shall either be according to applicable specifications or 5.65 cwt/cu yd (335 kg/cu m). Compressive strength test results for six months and one year will not be required.

Prior to the approval of an admixture, the Engineer reserves the right to request a sample for testing. The test and reference concrete mixtures tested by the Engineer will contain a cement content of 5.65 cwt/cu yd (335 kg/cu m). For freeze-thaw testing, the Department will perform the test according to AASHTO T 161, Procedure B. The flexural strength test will be performed according to AASHTO T 177. If the Engineer decides to test the admixture, the manufacturer shall submit AASHTO T 197 water content and set time test results on the standard cement used by the Department. The test and reference concrete mixture shall contain a cement content of 5.65 cwt/cu yd (335 kg/cu m). The manufacturer may select their lab or an independent lab to perform this testing. The laboratory is not required to be accredited by AASHTO.

The manufacturer shall include in the submittal the following admixture information: the manufacturing range for specific gravity, the midpoint and manufacturing range for residue by oven drying, and the manufacturing range for pH. The submittal shall also include an infrared spectrophotometer trace no more than five years old.

For air-entraining admixtures according to Article 1021.02, the specific gravity allowable manufacturing range shall be established by the manufacturer and the test method shall be according to ASTM C 494. For residue by oven drying and pH, the allowable manufacturing range and test methods shall be according to ASTM C 260.

For admixtures according to Articles 1021.03, 1021.04, 1021.05, 1021.06, and 1021.07, the pH allowable manufacturing range shall be established by the manufacturer and the test method shall be according to ASTM E 70. For specific gravity and residue by oven drying, the allowable manufacturing range and test methods shall be according to ASTM C 494.

When test results are more than seven years old, the manufacturer shall re-submit the infrared spectrophotometer trace and the report prepared by an independent laboratory accredited by AASHTO.

All admixtures, except chloride-based accelerators, shall contain a maximum of 0.3 percent chloride by weight (mass).

Random field samples may be taken by the Department to verify an admixture meets specification. A split sample will be provided to the manufacturer if requested. Admixtures that do not meet specification requirements or an allowable manufacturing range established by the manufacturer shall be replaced with new material.

**1021.02 Air-Entraining Admixtures.** Air-entraining admixtures shall be according to AASHTO M 154.

**1021.03 Retarding and Water-Reducing Admixtures.** The admixture shall be according to the following.

- (a) The retarding admixture shall be according to AASHTO M 194, Type B (retarding) or Type D (water-reducing and retarding).
- (b) The water-reducing admixture shall be according to AASHTO M 194, Type A.
- (c) The high range water-reducing admixture shall be according to AASHTO M 194, Type F (high range water-reducing) or Type G (high range water-reducing and retarding).

**1021.04 Accelerating Admixtures.** The admixture shall be according to AASHTO M 194, Type C (accelerating) or Type E (water reducing and accelerating).

**1021.05 Self-Consolidating Admixtures.** The self-consolidating admixture system shall consist of either a high range water-reducing admixture only or a high range water-reducing admixture combined with a separate viscosity modifying admixture. The one or two component admixture system shall be capable of producing a concrete mixture that can flow around reinforcement and consolidate under its own weight without additional effort and without segregation.

The high range water-reducing admixture shall be according to AASHTO M 194, Type F.

The viscosity modifying admixture shall be according to ASTM C 494, Type S (specific performance).

**1021.06 Rheology-Controlling Admixture.** The rheology-controlling admixture shall be capable of producing a concrete mixture with a lower yield stress that will consolidate easier for slipform applications used by the Contractor. The rheology-controlling admixture shall be according to ASTM C 494, Type S (specific performance).

**1021.07 Corrosion Inhibitor.** The corrosion inhibitor shall be according to one of the following.

- (a) Calcium Nitrite. The corrosion inhibitor shall contain a minimum 30 percent calcium nitrite by weight (mass) of solution, and shall comply with the requirements of AASHTO M 194, Type C (accelerating).
- (b) Other Materials. The corrosion inhibitor shall be according to ASTM C 1582.”

## **CONSTRUCTION AIR QUALITY – DIESEL VEHICLE EMISSIONS CONTROL (BDE)**

Effective: April 1, 2009

Diesel Vehicle Emissions Control. The reduction of construction air emissions shall be accomplished by using cleaner burning diesel fuel. The term “equipment” refers to any and all diesel fuel powered devices rated at 50 hp and above, to be used on the project site in excess of seven calendar days over the course of the construction period on the project site (including any “rental” equipment).

All equipment on the jobsite, with engine ratings of 50 hp and above, shall be required to: use Ultra Low Sulfur Diesel fuel (ULSD) exclusively (15 ppm sulfur content or less).

In addition, all construction motor vehicles (both on-road and off-road, gasoline or diesel fuel powered) shall comply with all pertinent State and Federal regulations relative to exhaust emission controls and safety, including opacity. Frequently Asked Questions (FAQ’s) regarding Illinois Environmental Protection Agency (IEPA) emissions testing for gasoline powered vehicles can be accessed at (<http://www.epa.state.il.us/air/vim/faqs.html>) . Regulations regarding diesel powered vehicles over 16,000 lb (7260 kg), and the Diesel Emission Inspection Program (Title 92: Transportation Part 460, Diesel Emission Inspection Program, Subpart A: General) can be accessed at (<http://www.ilga.gov/commission/jcar/admincode/092/09200460sections.html>). Diesel powered vehicles less than 16,000 lb (7260 kg) are exempt from testing by the Department. All diesel powered equipment used on the project site shall be subject to reasonable, random spot checks for compliance with the required emissions controls and proper diesel fuel usage. The Secretary of State, Illinois State Police and other law enforcement officers will enforce Part 460. For additional information concerning Illinois diesel emission inspection requirements, please call the Illinois Department of Transportation, Diesel Emission Inspections Unit, at 217-557-6081.

Diesel powered equipment in non-compliance will not be allowed to be used on the project site, and is also subject to a notice of non-compliance as outlined below.

The Contractor shall submit copies of monthly summary reports and include certified copies of the ULSD diesel fuel delivery slips for diesel fuel delivered to the jobsite for the reporting time period, noting the quantity of diesel fuel used with each piece of diesel powered equipment. The addition or deletion of any diesel powered equipment shall be included in the summary and noted on the monthly report.

If any diesel powered equipment is found to be in non-compliance with any portion of this specification, the Engineer will issue the Contractor a notice of non-compliance and identify an appropriate period of time, as outlined below under environmental deficiency deduction, in which to bring the equipment into compliance or remove it from the project site.

Any costs associated with bringing any diesel powered equipment into compliance with these diesel vehicle emissions controls shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed. The Contractor's compliance with this notice and any associated regulations shall also not be grounds for a claim.

Environmental Deficiency Deduction. When the Engineer is notified, or determines that an environmental control deficiency exists, he/she will notify the Contractor in writing, and direct the Contractor to correct the deficiency within a specified time period. The specified time-period, which begins upon Contractor notification, will be from 1/2 hour to 24 hours long, based on the urgency of the situation and the nature of the deficiency. The Engineer shall be the sole judge regarding the time period.

The deficiency will be based on lack of repair, maintenance and diesel vehicle emissions control.

If the Contractor fails to correct the deficiency within the specified time frame, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency continues to exist. The calendar day(s) will begin when the time period for correction is exceeded and end with the Engineer's written acceptance of the correction. The daily monetary deduction will be \$1,000.00 for each deficiency identified.

If a Contractor or subcontractor accumulates three environmental deficiency deductions in a contract period, the Contractor will be shutdown until the deficiency is corrected. Such a shutdown will not be grounds for any extension of contract time, waiver of penalties, or be grounds for any claim.

### **CONSTRUCTION AIR QUALITY - IDLING RESTRICTIONS (BDE)**

Effective: April 1, 2009

Idling Restrictions. The Contractor shall establish truck-staging areas for all diesel powered vehicles that are waiting to load or unload material at the jobsite. Staging areas shall be located where the diesel emissions from the equipment will have a minimum impact on adjacent sensitive receptors. The Department will review the selection of staging areas, whether within or outside the existing highway right-of-way, to avoid locations near sensitive areas or populations to the extent possible. Sensitive receptors include, but are not limited to, hospitals, schools, residences, motels, hotels, daycare facilities, elderly housing and convalescent facilities. Diesel powered engines shall also be located as far away as possible from fresh air intakes, air conditioners, and windows. The Engineer will approve staging areas before implementation.

Diesel powered vehicle operators may not cause or allow the motor vehicle, when it is not in motion, to idle for more than a total of 10 minutes within any 60 minute period, except under any of the following circumstances:

- 1) The motor vehicle has a gross vehicle weight rating of less than 8000 lb (3630 kg).
- 2) The motor vehicle idles while forced to remain motionless because of on-highway traffic, an official traffic control device or signal, or at the direction of a law enforcement official.

- 3) The motor vehicle idles when operating defrosters, heaters, air conditioners, or other equipment solely to prevent a safety or health emergency.
- 4) A police, fire, ambulance, public safety, other emergency or law enforcement motor vehicle, or any motor vehicle used in an emergency capacity, idles while in an emergency or training mode and not for the convenience of the vehicle operator.
- 5) The primary propulsion engine idles for maintenance, servicing, repairing, or diagnostic purposes if idling is necessary for such activity.
- 6) A motor vehicle idles as part of a government inspection to verify that all equipment is in good working order, provided idling is required as part of the inspection.
- 7) When idling of the motor vehicle is required to operate auxiliary equipment to accomplish the intended use of the vehicle (such as loading, unloading, mixing, or processing cargo; controlling cargo temperature; construction operations, lumbering operations; oil or gas well servicing; or farming operations), provided that this exemption does not apply when the vehicle is idling solely for cabin comfort or to operate non-essential equipment such as air conditioning, heating, microwave ovens, or televisions.
- 8) When the motor vehicle idles due to mechanical difficulties over which the operator has no control.
- 9) The outdoor temperature is less than 32 °F (0 °C) or greater than 80 °F (26 °C).

When the outdoor temperature is greater than or equal to 32 °F (0 °C) or less than or equal to 80 °F (26 °C), a person who operates a motor vehicle operating on diesel fuel shall not cause or allow the motor vehicle to idle for a period greater than 30 minutes in any 60 minute period while waiting to weigh, load, or unload cargo or freight, unless the vehicle is in a line of vehicles that regularly and periodically moves forward.

The above requirements do not prohibit the operation of an auxiliary power unit or generator set as an alternative to idling the main engine of a motor vehicle operating on diesel fuel.

Environmental Deficiency Deduction. When the Engineer is notified, or determines that an environmental control deficiency exists based on non-compliance with the idling restrictions, he/she will notify the Contractor, and direct the Contractor to correct the deficiency.

If the Contractor fails to correct the deficiency a monetary deduction will be imposed. The monetary deduction will be \$1,000.00 for each deficiency identified.

#### **DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION (BDE)**

Effective: September 1, 2000

Revised: November 1, 2008

FEDERAL OBLIGATION. The Department of Transportation, as a recipient of federal financial assistance, is required to take all necessary and reasonable steps to ensure nondiscrimination in the award and administration of contracts. Consequently, the federal regulatory provisions of 49 CFR part 26 apply to this contract concerning the utilization of disadvantaged business enterprises. For the purposes of this Special Provision, a disadvantaged business enterprise (DBE) means a business certified by the Department in accordance with the requirements of 49 CFR part 26 and listed in the Illinois Unified Certification Program (IL UCP) DBE Directory or most recent addendum.

STATE OBLIGATION. This Special Provision will also be used by the Department to satisfy the requirements of the Business Enterprise for Minorities, Females, and Persons with Disabilities Act, 30 ILCS 575. When this Special Provision is used to satisfy state law requirements on 100 percent state-funded contracts, the federal government has no involvement in such contracts (not a federal-aid contract) and no responsibility to oversee the implementation of this Special Provision by the Department on those contracts. DBE participation on 100 percent state-funded contracts will not be credited toward fulfilling the Department's annual overall DBE goal required by the US Department of Transportation to comply with the federal DBE program requirements.

CONTRACTOR ASSURANCE. The Contractor makes the following assurance and agrees to include the assurance in each subcontract that the Contractor signs with a subcontractor:

The Contractor, subrecipient, or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of contracts funded in whole or in part with federal or state funds. Failure by the Contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate.

OVERALL GOAL SET FOR THE DEPARTMENT. As a requirement of compliance with 49 CFR part 26, the Department has set an overall goal for DBE participation in its federally assisted contracts. That goal applies to all federal-aid funds the Department will expend in its federally assisted contracts for the subject reporting fiscal year. The Department is required to make a good faith effort to achieve the overall goal. The dollar amount paid to all approved DBE companies performing work called for in this contract is eligible to be credited toward fulfillment of the Department's overall goal.

CONTRACT GOAL TO BE ACHIEVED BY THE CONTRACTOR. This contract includes a specific DBE utilization goal established by the Department. The goal has been included because the Department has determined that the work of this contract has subcontracting opportunities that may be suitable for performance by DBE companies. This determination is based on an assessment of the type of work, the location of the work, and the availability of DBE companies to do a part of the work. The assessment indicates that, in the absence of unlawful discrimination, and in an arena of fair and open competition, DBE companies can be expected to perform **6.0%** of the work. This percentage is set as the DBE participation goal for this contract. Consequently, in addition to the other award criteria established for this contract, the Department will award this contract to a bidder who makes a good faith effort to meet this goal of DBE participation in the performance of the work. A bidder makes a good faith effort for award consideration if either of the following is done in accordance with the procedures set forth in this Special Provision:

- (a) The bidder documents that firmly committed DBE participation has been obtained to meet the goal; or
- (b) The bidder documents that a good faith effort has been made to meet the goal, even though the effort did not succeed in obtaining enough DBE participation to meet the goal.

DBE LOCATOR REFERENCES. Bidders may consult the IL UCP DBE Directory as a reference source for DBE-certified companies. In addition, the Department maintains a letting and item specific DBE locator information system whereby DBE companies can register their interest in providing quotes on particular bid items advertised for letting. Information concerning DBE companies willing to quote work for particular contracts may be obtained by contacting the Department's Bureau of Small Business Enterprises at telephone number (217)785-4611, or by visiting the Department's web site at [www.dot.il.gov](http://www.dot.il.gov).

BIDDING PROCEDURES. Compliance with the bidding procedures of this Special Provision is required prior to the award of the contract and the failure of the as-read low bidder to comply will render the bid not responsive.

- (a) In order to assure the timely award of the contract, the as-read low bidder shall submit a Disadvantaged Business Utilization Plan on Department form SBE 2026 within seven working days after the date of letting. To meet the seven day requirement, the bidder may send the Plan by certified mail or delivery service within the seven working day period. If a question arises concerning the mailing date of a Plan, the mailing date will be established by the U.S. Postal Service postmark on the original certified mail receipt from the U.S. Postal Service or the receipt issued by a delivery service. It is the responsibility of the bidder to ensure that the postmark or receipt date is affixed within the seven working days if the bidder intends to rely upon mailing or delivery to satisfy the submission day requirement. The Plan is to be submitted to the Department of Transportation, Bureau of Small Business Enterprises, Contract Compliance Section, 2300 South Dirksen Parkway, Room 319, Springfield, Illinois 62764 (Telefax: (217)785-1524). It is the responsibility of the bidder to obtain confirmation of telefax delivery. The Department will not accept a Utilization Plan if it does not meet the seven day submittal requirement and the bid will be declared not responsive. In the event the bid is declared not responsive due to a failure to submit a Plan or failure to comply with the bidding procedures set forth herein, the Department may elect to cause the forfeiture of the penal sum of the bidder's proposal guaranty, and may deny authorization to bid the project if re-advertised for bids. The Department reserves the right to invite any other bidder to submit a Utilization Plan at any time for award consideration or to extend the time for award.
- (b) The Utilization Plan shall indicate that the bidder either has obtained sufficient DBE participation commitments to meet the contract goal or has not obtained enough DBE participation commitments in spite of a good faith effort to meet the goal. The Utilization Plan shall further provide the name, telephone number, and telefax number of a responsible official of the bidder designated for purposes of notification of plan approval or disapproval under the procedures of this Special Provision.
- (c) The Utilization Plan shall include a DBE Participation Commitment Statement, Department form SBE 2025, for each DBE proposed for the performance of work to achieve the contract goal. The signatures on these forms must be original signatures. All elements of information indicated on the said form shall be provided, including but not limited to the following:
  - (1) The name and address of each DBE to be used;

- (2) A description, including pay item numbers, of the commercially useful work to be done by each DBE;
  - (3) The price to be paid to each DBE for the identified work specifically stating the quantity, unit price, and total subcontract price for the work to be completed by the DBE. If partial pay items are to be performed by the DBE, indicate the portion of each item, a unit price where appropriate and the subcontract price amount;
  - (4) A commitment statement signed by the bidder and each DBE evidencing availability and intent to perform commercially useful work on the project; and
  - (5) If the bidder is a joint venture comprised of DBE companies and non-DBE companies, the plan must also include a clear identification of the portion of the work to be performed by the DBE partner(s).
- (d) The contract will not be awarded until the Utilization Plan submitted by the bidder is approved. The Utilization Plan will be approved by the Department if the Plan commits sufficient commercially useful DBE work performance to meet the contract goal. The Utilization Plan will not be approved by the Department if the Plan does not commit sufficient DBE performance to meet the contract goal unless the bidder documents that it made a good faith effort to meet the goal. The good faith procedures of Section VIII of this special provision apply. If the Utilization Plan is not approved because it is deficient in a technical matter, unless waived by the Department, the bidder will be notified and will be allowed no less than a five working day period in order to cure the deficiency.

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

- (a) DBE as the Contractor: 100 percent goal credit for that portion of the work performed by the DBE's own forces, including the cost of materials and supplies. Work that a DBE subcontracts to a non-DBE does not count toward the DBE goals.
- (b) DBE as a joint venture Contractor: 100 percent goal credit for that portion of the total dollar value of the contract equal to the distinct, clearly defined portion of the work performed by the DBE's own forces.
- (c) DBE as a subcontractor: 100 percent goal credit for the work of the subcontract performed by the DBE's own forces, including the cost of materials and supplies, excluding the purchase of materials and supplies or the lease of equipment by the DBE subcontractor from the prime Contractor or its affiliates. Work that a DBE subcontractor in turn subcontracts to a non-DBE does not count toward the DBE goal.

- (d) DBE as a trucker: 100 percent goal credit for trucking participation provided the DBE is responsible for the management and supervision of the entire trucking operation for which it is responsible. At least one truck owned, operated, licensed, and insured by the DBE must be used on the contract. Credit will be given for the full value of all such DBE trucks operated using DBE employed drivers. Goal credit will be limited to the value of the reasonable fee or commission received by the DBE if trucks are leased from a non-DBE company.
- (e) DBE as a material supplier:
  - (1) 60 percent goal credit for the cost of the materials or supplies purchased from a DBE regular dealer.
  - (2) 100 percent goal credit for the cost of materials or supplies obtained from a DBE manufacturer.
  - (3) 100 percent credit for the value of reasonable fees and commissions for the procurement of materials and supplies if not a regular dealer or manufacturer.

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

- (a) The following is a list of types of action that the Department will consider as part of the evaluation of the bidder's good faith efforts to obtain participation. These listed factors are not intended to be a mandatory checklist and are not intended to be exhaustive. Other factors or efforts brought to the attention of the Department may be relevant in appropriate cases, and will be considered by the Department.
  - (1) Soliciting through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising and/or written notices) the interest of all certified DBE companies that have the capability to perform the work of the contract. The bidder must solicit this interest within sufficient time to allow the DBE companies to respond to the solicitation. The bidder must determine with certainty if the DBE companies are interested by taking appropriate steps to follow up initial solicitations.
  - (2) Selecting portions of the work to be performed by DBE companies in order to increase the likelihood that the DBE goals will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the prime Contractor might otherwise prefer to perform these work items with its own forces.

- (3) Providing interested DBE companies with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation.
  - (4) a. Negotiating in good faith with interested DBE companies. It is the bidder's responsibility to make a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBE companies that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional agreements could not be reached for DBE companies to perform the work.
    - b. A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using DBE companies is not in itself sufficient reason for a bidder's failure to meet the contract DBE goal, as long as such costs are reasonable. Also, the ability or desire of a bidder to perform the work of a contract with its own organization does not relieve the bidder of the responsibility to make good faith efforts. Bidders are not, however, required to accept higher quotes from DBE companies if the price difference is excessive or unreasonable.
  - (5) Not rejecting DBE companies as being unqualified without sound reasons based on a thorough investigation of their capabilities. The bidder's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the bidder's efforts to meet the project goal.
  - (6) Making efforts to assist interested DBE companies in obtaining bonding, lines of credit, or insurance as required by the recipient or Contractor.
  - (7) Making efforts to assist interested DBE companies in obtaining necessary equipment, supplies, materials, or related assistance or services.
  - (8) Effectively using the services of available minority/women community organizations; minority/women contractors' groups; local, state, and federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBE companies.
- (b) If the Department determines that the bidder has made a good faith effort to secure the work commitment of DBE companies to meet the contract goal, the Department will award the contract provided that it is otherwise eligible for award. If the Department determines that a good faith effort has not been made, the Department will notify the bidder of that preliminary determination by contacting the responsible company official designated in the Utilization Plan. The preliminary determination shall include a

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

- (c) The bidder may request administrative reconsideration of a pre-final determination adverse to the bidder within the five working days after the notification date of the determination by delivering the request to the Department of Transportation, Bureau of Small Business Enterprises, Contract Compliance Section, 2300 South Dirksen Parkway, Room 319, Springfield, Illinois 62764 (Telefax: (217)785-1524). Deposit of the request in the United States mail on or before the fifth business day shall not be deemed delivery. The pre-final determination shall become final if a request is not made and delivered. A request may provide additional written documentation and/or argument concerning the issue of whether an adequate good faith effort was made to meet the contract goal. In addition, the request shall be considered a consent by the bidder to extend the time for award. The request will be forwarded to the Department's Reconsideration Officer. The Reconsideration Officer will extend an opportunity to the bidder to meet in person in order to consider all issues of whether the bidder made a good faith effort to meet the goal. After the review by the Reconsideration Officer, the bidder will be sent a written decision within ten working days after receipt of the request for reconsideration, explaining the basis for finding that the bidder did or did not meet the goal or make adequate good faith efforts to do so. A final decision by the Reconsideration Officer that a good faith effort was made shall approve the Utilization Plan submitted by the bidder and shall clear the contract for award. A final decision that a good faith effort was not made shall render the bid not responsive.

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

- (a) No amendment to the Utilization Plan may be made without prior written approval from the Department's Bureau of Small Business Enterprises. All requests for amendment to the Utilization Plan shall be submitted to the Department of Transportation, Bureau of Small Business Enterprises, Contract Compliance Section, 2300 South Dirksen Parkway, Room 319, Springfield, Illinois 62764. Telephone number (217) 785-4611. Telefax number (217) 785-1524.
- (b) All work indicated for performance by an approved DBE shall be performed, managed, and supervised by the DBE executing the Participation Statement. The Contractor shall not terminate for convenience a DBE listed in the Utilization Plan and then perform the work of the terminated DBE with its own forces, those of an affiliate or those of another subcontractor, whether DBE or not, without first obtaining the written consent of the Bureau of Small Business Enterprises to amend the Utilization Plan. If a DBE listed in the Utilization Plan is terminated for reasons other than convenience, or fails to complete its work on the contract for any reason, the Contractor shall make good faith efforts to find another DBE to substitute for the terminated DBE. The good faith efforts shall be directed at finding another DBE to perform at least the same amount of work under the contract as the DBE that was terminated, but only to the extent needed to meet the contract goal or the amended contract goal. The Contractor shall notify the Bureau of Small Business Enterprises of any termination for reasons other than convenience, and shall obtain approval for inclusion of the substitute DBE in the Utilization Plan. If good faith efforts following a termination of a DBE for cause are not successful, the Contractor shall contact the Bureau of Small Business Enterprises and provide a full accounting of the efforts undertaken to obtain substitute DBE participation. The Bureau of Small Business Enterprises will evaluate the good faith efforts in light of all circumstances surrounding the performance status of the contract, and determine whether the contract goal should be amended.
- (c) The Contractor shall maintain a record of payments for work performed to the DBE participants. The records shall be made available to the Department for inspection upon request. After the performance of the final item of work or delivery of material by a DBE and final payment therefore to the DBE by the Contractor, but not later than thirty calendar days after payment has been made by the Department to the Contractor for such work or material, the Contractor shall submit a DBE Payment Agreement on Department form SBE 2115 to the Regional Engineer. If full and final payment has not been made to the DBE, the DBE Payment Agreement shall indicate whether a disagreement as to the payment required exists between the Contractor and the DBE or if the Contractor believes that the work has not been satisfactorily completed. If the Contractor does not have the full amount of work indicated in the Utilization Plan performed by the DBE companies indicated in the Plan, the Department will deduct from contract payments to the Contractor the amount of the goal not achieved as liquidated and ascertained damages.
- (d) The Department reserves the right to withhold payment to the Contractor to enforce the provisions of this Special Provision. Final payment shall not be made on the contract until such time as the Contractor submits sufficient documentation demonstrating achievement of the goal in accordance with this Special Provision or after liquidated damages have been determined and collected.

- (e) Notwithstanding any other provision of the contract, including but not limited to Article 109.09 of the Standard Specifications, the Contractor may request administrative reconsideration of a decision to deduct the amount of the goal not achieved as liquidated damages. A request to reconsider shall be delivered to the Contract Compliance Section and shall be handled and considered in the same manner as set forth in paragraph (c) of "Good Faith Effort Procedures" of this Special Provision, except a final decision that a good faith effort was not made during contract performance to achieve the goal agreed to in the Utilization Plan shall be the final administrative decision of the Department.

### **EQUIPMENT RENTAL RATES (BDE)**

Effective: August 2, 2007

Revised: January 2, 2008

Replace the second and third paragraphs of Article 105.07(b)(4)a. of the Standard Specifications with the following:

"Equipment idled which cannot be used on other work, and which is authorized to standby on the project site by the Engineer, will be paid for according to Article 109.04(b)(4)."

Replace Article 109.04(b)(4) of the Standard Specifications with the following:

"(4) Equipment. Equipment used for extra work shall be authorized by the Engineer. The equipment shall be specifically described, be of suitable size and capacity for the work to be performed, and be in good operating condition. For such equipment, the Contractor will be paid as follows.

- a. Contractor Owned Equipment. Contractor owned equipment will be paid for by the hour using the applicable FHWA hourly rate from the "Equipment Watch Rental Rate Blue Book" (Blue Book) in effect when the force account work begins. The FHWA hourly rate is calculated as follows.

$$\text{FHWA hourly rate} = (\text{monthly rate}/176) \times (\text{model year adj.}) \times (\text{Illinois adj.}) + \text{EOC}$$

Where: EOC = Estimated Operating Costs per hour (from the Blue Book)

The time allowed will be the actual time the equipment is operating on the extra work. For the time required to move the equipment to and from the site of the extra work and any authorized idle (standby) time, payment will be made at the following hourly rate:  $0.5 \times (\text{FHWA hourly rate} - \text{EOC})$ .

All time allowed shall fall within the working hours authorized for the extra work.

The rates above include the cost of fuel, oil, lubrication, supplies, small tools, necessary attachments, repairs, overhaul and maintenance of any kind, depreciation, storage, overhead, profits, insurance, and all incidentals. The rates do not include labor.

The Contractor shall submit to the Engineer sufficient information for each piece of equipment and its attachments to enable the Engineer to determine the proper equipment category. If a rate is not established in the Blue Book for a particular piece of equipment, the Engineer will establish a rate for that piece of equipment that is consistent with its cost and use in the industry.

- b. Rented Equipment. Whenever it is necessary for the Contractor to rent equipment to perform extra work, the rental and transportation costs of the equipment plus five percent for overhead will be paid. In no case shall the rental rates exceed those of established distributors or equipment rental agencies.

All prices shall be agreed to in writing before the equipment is used.”

**FLAGGER AT SIDE ROADS AND ENTRANCES (BDE)**

Effective: April 1, 2009

Revise the second paragraph of Article 701.13(a) of the Standard Specifications to read:

“The Engineer will determine when a side road or entrance shall be closed to traffic. A flagger will be required at each side road or entrance remaining open to traffic within the operation where two-way traffic is maintained on one lane of pavement. The flagger shall be positioned as shown on the plans or as directed by the Engineer.”

Revise the first and second paragraph of Article 701.20(i) of the Standard Specifications to read:

“Signs, barricades, or other traffic control devices required by the Engineer over and above those specified will be paid for according to Article 109.04. All flaggers required at side roads and entrances remaining open to traffic including those that are shown on the Highway Standards and/or additional barricades required by the Engineer to close side roads and entrances will be paid for according to Article 109.04.”

**HOT-MIX ASPHALT - FIELD VOIDS IN THE MINERAL AGGREGATE (BDE)**

Effective: April 1, 2007

Revised: April 1, 2008

Add the following to the table in Article 1030.05(d)(2)a. of the Standard Specifications:

"Parameter	Frequency of Tests	Frequency of Tests	Test Method See Manual of Test Procedures for Materials
	High ESAL Mixture Low ESAL Mixture	All Other Mixtures	
VMA	Day's production ≥ 1200 tons: 1 per half day of production	N/A	Illinois-Modified AASHTO R 35
Note 5.	Day's production < 1200 tons: 1 per half day of production for first 2 days and 1 per day thereafter (first sample of the day)		

Note 5. The  $G_{sb}$  used in the voids in the mineral aggregate (VMA) calculation shall be the same average  $G_{sb}$  value listed in the mix design.”

Add the following to the Control Limits table in Article 1030.05(d)(4) of the Standard Specifications:

"CONTROL LIMITS			
Parameter	High ESAL Low ESAL	High ESAL Low ESAL	All Other
	Individual Test	Moving Avg. of 4	Individual Test
VMA	-0.7 % <sup>2/</sup>	-0.5 % <sup>2/</sup>	N/A

2/ Allowable limit below minimum design VMA requirement”

Add the following to the table in Article 1030.05(d)(5) of the Standard Specifications:

"CONTROL CHART REQUIREMENTS	High ESAL Low ESAL	All Other
	VMA”	

Revise the heading of Article 1030.05(d)(6)a.1. of the Standard Specifications to read:

“1. Voids, VMA, and Asphalt Binder Content.”

Revise the first sentence of the first paragraph of Article 1030.05(d)(6)a.1.(a.) of the Standard Specifications to read:

“If the retest for voids, VMA, or asphalt binder content exceeds control limits, HMA production shall cease and immediate corrective action shall be instituted by the Contractor.”

Revise the table in Article 1030.05(e) of the Standard Specifications to read:

"Test Parameter	Acceptable Limits of Precision
% Passing: <sup>1/</sup>	
1/2 in. (12.5 mm)	5.0 %
No. 4 (4.75 mm)	5.0 %
No. 8 (2.36 mm)	3.0 %
No. 30 (600 μm)	2.0 %
Total Dust Content No. 200 (75 μm) <sup>1/</sup>	2.2 %
Asphalt Binder Content	0.3 %
Maximum Specific Gravity of Mixture	0.026
Bulk Specific Gravity	0.030
VMA	1.4 %
Density (% Compaction)	1.0 % (Correlated)

1/ Based on washed ignition.”

**HOT-MIX ASPHALT – PLANT TEST FREQUENCY (BDE)**

Effective: April 1, 2008

Revise the table in Article 1030.05(d)(2)a. of the Standard Specifications to read:

"Parameter	Frequency of Tests		Test Method See Manual of Test Procedures for Materials
	High ESAL Mixture Low ESAL Mixture	All Other Mixtures	
Aggregate Gradation  Hot bins for batch and continuous plants.  Individual cold-feed or combined belt-feed for drier drum plants.  % passing sieves: 1/2 in. (12.5 mm), No. 4 (4.75 mm), No. 8 (2.36 mm), No. 30 (600 μm) No. 200 (75 μm)  Note 1.	1 dry gradation per day of production (either morning or afternoon sample).  and  1 washed ignition oven test on the mix per day of production (conduct in the afternoon if dry gradation is conducted in the morning or vice versa).  Note 3.  Note 4.	1 gradation per day of production.  The first day of production shall be a washed ignition oven test on the mix. Thereafter, the testing shall alternate between dry gradation and washed ignition oven test on the mix.  Note 4.	Illinois Procedure
Asphalt Binder Content by Ignition Oven  Note 2.	1 per half day of production	1 per day	Illinois-Modified AASHTO T 308
Air Voids  Bulk Specific Gravity of Gyratory Sample	Day's production ≥ 1200 tons:  1 per half day of production  Day's production < 1200 tons:  1 per half day of production for first 2 days and 1 per day thereafter (first sample of the day)	1 per day	Illinois-Modified AASHTO T 312
Maximum Specific Gravity of Mixture	Day's production ≥ 1200 tons:  1 per half day of production  Day's production < 1200 tons:  1 per half day of production for first 2 days and 1 per day thereafter (first sample of the day)	1 per day	Illinois-Modified AASHTO T 209"

**HOT-MIX ASPHALT – TRANSPORTATION (BDE)**

Effective: April 1, 2008

Revise Article 1030.08 of the Standard Specifications to read:

**“1030.08 Transportation.** Vehicles used in transporting HMA shall have clean and tight beds. The beds shall be sprayed with asphalt release agents from the Department’s approved list. In lieu of a release agent, the Contractor may use a light spray of water with a light scatter of manufactured sand (FA 20 or FA 21) evenly distributed over the bed of the vehicle. After spraying, the bed of the vehicle shall be in a completely raised position and it shall remain in this position until all excess asphalt release agent or water has been drained.

When the air temperature is below 60 °F (15 °C), the bed, including the end, endgate, sides and bottom shall be insulated with fiberboard, plywood or other approved insulating material and shall have a thickness of not less than 3/4 in (20 mm). When the insulation is placed inside the bed, the insulation shall be covered with sheet steel approved by the Engineer. Each vehicle shall be equipped with a cover of canvas or other suitable material meeting the approval of the Engineer which shall be used if any one of the following conditions is present.

- (a) Ambient air temperature is below 60 °F (15 °C).
- (b) The weather is inclement.
- (c) The temperature of the HMA immediately behind the paver screed is below 250 °F (120 °C).

The cover shall extend down over the sides and ends of the bed for a distance of approximately 12 in. (300 mm) and shall be fastened securely. The covering shall be rolled back before the load is dumped into the finishing machine.”

**LIQUIDATED DAMAGES (BDE)**

Effective: April 1, 2009

Revise the table in Article 108.09 of the Standard Specifications to read:

“Schedule of Deductions for Each Day of Overrun in Contract Time			
Original Contract Amount		Daily Charges	
From More Than	To and Including	Calendar Day	Work Day
\$ 0	\$ 100,000	\$ 375	\$ 500
100,000	500,000	625	875
500,000	1,000,000	1,025	1,425
1,000,000	3,000,000	1,125	1,550
3,000,000	5,000,000	1,425	1,950
5,000,000	10,000,000	1,700	2,350
10,000,000	And over	3,325	4,650”

## **MONTHLY EMPLOYMENT REPORT (BDE)**

Effective: April 1, 2009

In addition to any other reporting required by the contract, the Contractor shall provide to the Engineer an employment summary for all employees working on the contract from the contract execution date to the last full pay period each month for the duration of the contract. The report may include but is not limited to:

- a) A listing of the total number of employees.
- b) The employee job classification.
- c) The total hours worked and payroll for each employee.

The report shall be completed by the Contractor and each subcontractor. Employee hours worked from home office or other off-site office hours worked related directly to this contract shall be included. Engineering consulting firms performing construction layout and material testing for the Contractor shall also be included.

Hours worked for material suppliers, services provided by purchase orders, Department employees or consulting firms performing inspection or testing for the Department shall not be included in the report.

The report shall contain all hours worked under the contract from the start of the month to the last full pay period each month and shall be submitted no later than 10 business days after the end of each month.

The report shall be submitted electronically in a format determined by the Engineer. See attachment for potential reporting format.

Any costs associated with complying with this provision shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed.

**Attachment**

<b>MONTHLY PRIME AND SUBCONTRACTOR EMPLOYMENT REPORT AMERICAN RECOVERY AND REINVESTMENT ACT</b>			
1. First day of reporting period (mm/dd/yyyy)	2. Last day of reporting period (mm/dd/yyyy)	3. Notice to Proceed Date (mm/dd/yyyy)	
4. NAME AND ADDRESS OF FIRM		5. FEDERAL AID PROJECT NUMBER	
		5. State Project Number or ID	
7. CONTRACTING AGENCY		8. STATE (or Federal Lands Region)	
<b>Employment Data</b>			
Direct, On-Project Jobs	TOTAL EMPLOYEES	TOTAL HOURS	TOTAL PAYROLL
<b>CONSTRUCTION</b>	NEW HIRES		
	EXISTING EMPLOYEES		
<b>NON-CONSTRUCTION</b>	NEW HIRES	.	.
	EXISTING EMPLOYEES		
<b>TOTAL</b>			
10. PREPARED BY (Signature and Title)			DATE
11. REVIEWED BY (Signature and Title of State Highway Official)			DATE

This form is issued in association with the American Recovery and Reinvestment Act of 2009

**MULTILANE PAVEMENT PATCHING (BDE)**

Effective: November 1, 2002

Pavement broken and holes opened for patching shall be completed prior to weekend or holiday periods. Should delays of any type or for any reason prevent the completion of the work, temporary patches shall be constructed. Material able to support the average daily traffic and meeting the approval of the Engineer shall be used for the temporary patches. The cost of furnishing, placing, maintaining, removing and disposing of the temporary work, including traffic control, shall be the responsibility of the Contractor.

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM / EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION (BDE)**

Effective: April 1, 2007

Revised: November 1, 2008

Revise Article 105.03(a) of the Standard Specifications to read:

“(a) National Pollutant Discharge Elimination System (NPDES) / Erosion and Sediment Control Deficiency Deduction. When the Engineer is notified or determines an erosion and/or sediment control deficiency(s) exists, or the Contractor’s activities represents a violation of the Department’s NPDES permits, the Engineer will notify and direct the Contractor to correct the deficiency within a specified time. The specified time, which begins upon notification to the Contractor, will be from 1/2 hour to 1 week based on the urgency of the situation and the nature of the work effort required. The Engineer will be the sole judge.

A deficiency may be any lack of repair, maintenance, or implementation of erosion and/or sediment control devices included in the contract, or any failure to comply with the conditions of the Department’s NPDES permits. A deficiency may also be applied to situations where corrective action is not an option such as the failure to participate in a jobsite inspection of the project, failure to install required measures prior to initiating earth moving operations, disregard of concrete washout requirements, or other disregard of the NPDES permit.

If the Contractor fails to correct a deficiency within the specified time, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency exists. The calendar day(s) will begin with notification to the Contractor and end with the Engineer’s acceptance of the correction. The daily monetary deduction will be either \$1000.00 or 0.05 percent of the awarded contract value, whichever is greater. For those deficiencies where corrective action was not an option, the monetary deduction will be immediate and will be valued at one calendar day.”

**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.

#### **PAYROLLS AND PAYROLL RECORDS (BDE)**

Effective: March 1, 2009

FEDERAL AID CONTRACTS. Revise the following section of Check Sheet #1 of the Recurring Special Provisions to read:

## “STATEMENTS AND PAYROLLS

The payroll records shall include each worker’s name, address, telephone number, social security number, classification, rate of pay, number of hours worked each day, starting and ending times of work each day, total hours worked each week, itemized deductions made, and actual wages paid.

The Contractor and each subcontractor shall submit payroll records to the Engineer each week from the start to the completion of their respective work, except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall include an identification number for each employee (e.g., the last four digits of the employee’s social security number.). The submittals shall be on the Department’s form SBE 48, or an approved facsimile. When there has been no activity during a work week, a payroll record shall still be submitted with the appropriate box (“No Work”, “Suspended”, or “Complete”) checked on the form.”

STATE CONTRACTS. Revise Section IV of Check Sheet #5 of the Recurring Special Provisions to read:

### “IV.COMPLIANCE WITH THE PREVAILING WAGE ACT

1. Prevailing Wages. All wages paid by the Contractor and each subcontractor shall be in compliance with The Prevailing Wage Act (820 ILCS 130), as amended, except where a prevailing wage violates a federal law, order, or ruling, the rate conforming to the federal law, order, or ruling shall govern. The Contractor shall be responsible to notify each subcontractor of the wage rates set forth in this contract and any revisions thereto. If the Department of Labor revises the wage rates, the Contractor will not be allowed additional compensation on account of said revisions.
2. Payroll Records. The Contractor and each subcontractor shall make and keep, for a period of three years from the date of completion of this contract, records of the wages paid to his/her workers. The payroll records shall include each worker’s name, address, telephone number, social security number, classification, rate of pay, number of hours worked each day, starting and ending times of work each day, total hours worked each week, itemized deductions made, and actual wages paid. Upon two business days’ notice, these records shall be available, at all reasonable hours at a location within the State, for inspection by the Department or the Department of Labor.
3. Submission of Payroll Records. The Contractor and each subcontractor shall submit payroll records to the Engineer each week from the start to the completion of their respective work, except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall include an identification number for each employee (e.g., the last four digits of the employee’s social security number). The submittals shall be on the Department’s form SBE 48, or an approved facsimile. When there has been no activity during a work week, a payroll record shall still be submitted with the appropriate box (“No Work”, “Suspended”, or “Complete”) checked on the form.

Each submittal shall be accompanied by a statement signed by the Contractor or subcontractor which avers that: (i) such records are true and accurate; (ii) the hourly rate paid to each worker is not less than the general prevailing rate of hourly wages required by the Act; and (iii) the Contractor or subcontractor is aware that filing a payroll record that he/she knows to be false is a Class B misdemeanor.

4. Employee Interviews. The Contractor and each subcontractor shall permit his/her employees to be interviewed on the job, during working hours, by compliance investigators of the Department or the Department of Labor.”

#### **PERSONAL PROTECTIVE EQUIPMENT (BDE)**

Effective: November 1, 2008

Revise the first sentence of Article 701.12 of the Standard Specifications to read:

“All personnel on foot, excluding flaggers, within the highway right-of-way shall wear a fluorescent orange, fluorescent yellow/green, or a combination of fluorescent orange and fluorescent yellow/green vest meeting the requirements of ANSI/ISEA 107-2004 for Conspicuity Class 2 garments.”

#### **RECLAIMED ASPHALT PAVEMENT (RAP) (BDE)**

Effective: January 1, 2007

Revised: April 1, 2009

In Article 1030.02(g), delete the last sentence of the first paragraph in (Note 2).

Revise Section 1031 of the Standard Specifications to read:

#### **“SECTION 1031. RECLAIMED ASPHALT PAVEMENT**

**1031.01 Description.** Reclaimed asphalt pavement (RAP) is reclaimed asphalt pavement resulting from cold milling or crushing of an existing dense graded hot-mix asphalt (HMA) pavement. The Contractor shall supply written documentation that the RAP originated from routes or airfields under federal, state, or local agency jurisdiction.

**1031.02 Stockpiles.** The Contractor shall construct individual, sealed RAP stockpiles meeting one of the following definitions. No additional RAP shall be added to the pile after the pile has been sealed. Stockpiles shall be sufficiently separated to prevent intermingling at the base. Stockpiles shall be identified by signs indicating the type as listed below (i.e. “Homogeneous Surface”).

Prior to milling, the Contractor shall request the District to provide verification of the quality of the RAP to clarify appropriate stockpile.

- (a) Homogeneous. Homogeneous RAP stockpiles shall consist of RAP from Class I, Superpave (High ESAL), HMA (High ESAL), or equivalent mixtures and represent:
  - 1) the same aggregate quality, but shall be at least C quality;
  - 2) the same type of crushed aggregate (either crushed natural aggregate, ACBF slag, or steel slag);

3) similar gradation; and 4) similar asphalt binder content. If approved by the Engineer, combined single pass surface/binder millings may be considered "homogenous" with a quality rating dictated by the lowest coarse aggregate quality present in the mixture.

- (b) Conglomerate. Conglomerate RAP stockpiles shall consist of RAP from Class I, Superpave (High ESAL), HMA (High ESAL), or equivalent mixtures. The coarse aggregate in this RAP shall be crushed aggregate and may represent more than one aggregate type and/or quality but shall be at least C quality. This RAP may have an inconsistent gradation and/or asphalt binder content prior to processing. All conglomerate RAP shall be processed prior to testing by crushing to where all RAP shall pass the 5/8 in. (16 mm) or smaller screen. Conglomerate RAP stockpiles shall not contain steel slag or other expansive material as determined by the Department.
- (c) Conglomerate "D" Quality (DQ). Conglomerate DQ RAP stockpiles shall consist of RAP from Class I, Superpave (High or Low ESAL), HMA (High or Low ESAL), or equivalent mixtures. The coarse aggregate in this RAP may be crushed or round but shall be at least D quality. This RAP may have an inconsistent gradation and/or asphalt binder content. Conglomerate DQ RAP stockpiles shall not contain steel slag or other expansive material as determined by the Department.
- (d) Non-Quality. RAP stockpiles that do not meet the requirements of the stockpile categories listed above shall be classified as "Non-Quality".

RAP containing contaminants, such as earth, brick, sand, concrete, sheet asphalt, bituminous surface treatment (i.e. chip seal), pavement fabric, joint sealants, etc., will be unacceptable unless the contaminants are removed to the satisfaction of the Engineer. Sheet asphalt shall be stockpiled separately.

**1031.03 Testing.** When used in HMA, the RAP shall be sampled and tested either during or after stockpiling.

For testing during stockpiling, washed extraction samples shall be run at the minimum frequency of one sample per 500 tons (450 metric tons) for the first 2000 tons (1800 metric tons) and one sample per 2000 tons (1800 metric tons) thereafter. A minimum of five tests shall be required for stockpiles less than 4000 tons (3600 metric tons).

For testing after stockpiling, the Contractor shall submit a plan for approval to the District proposing a satisfactory method of sampling and testing the RAP pile either in-situ or by restockpiling. The sampling plan shall meet the minimum frequency required above and detail the procedure used to obtain representative samples throughout the pile for testing.

Before extraction, each field sample shall be split to obtain two samples of test sample size. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall extract the other test sample according to Department procedure. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

Evaluation of Test Results. All of the extraction results shall be compiled and averaged for asphalt binder content and gradation and, when applicable  $G_{mm}$ . Individual extraction test results, when compared to the averages, will be accepted if within the tolerances listed below.

Parameter	Homogeneous / Conglomerate	Conglomerate "D" Quality
1 in. (25 mm)		± 5 %
1/2 in. (12.5 mm)	± 8 %	± 15 %
No. 4 (4.75 mm)	± 6 %	± 13 %
No. 8 (2.36 mm)	± 5 %	
No. 16 (1.18 mm)		± 15 %
No. 30 (600 μm)	± 5 %	
No. 200 (75 μm)	± 2.0 %	± 4.0 %
Asphalt Binder	± 0.4 % <sup>1/</sup>	± 0.5 %

1/ The tolerance for fractionated reclaimed asphalt pavement (FRAP) shall be ± 0.3 %.

If more than 20 percent of the individual sieves are out of the gradation tolerances, or if more than 20 percent of the asphalt binder content test results fall outside the appropriate tolerances, the RAP shall not be used in HMA unless the RAP representing the failing tests is removed from the stockpile. All test data and acceptance ranges shall be sent to the District for evaluation.

With the approval of the Engineer, the ignition oven may be substituted for extractions according to the Illinois Test Procedure, "Calibration of the Ignition Oven for the Purpose of Characterizing Reclaimed Asphalt Pavement (RAP)".

**1031.04 Quality Designation of Aggregate in RAP.** The quality of the RAP shall be set by the lowest quality of coarse aggregate in the RAP stockpile and are designated as follows.

- (a) RAP from Class I, Superpave (High ESAL), or HMA (High ESAL) surface mixtures are designated as containing Class B quality coarse aggregate.
- (b) RAP from Superpave (Low ESAL)/HMA (Low ESAL) IL-19.0L binder and IL-9.5L surface mixtures are designated as Class D quality coarse aggregate.
- (c) RAP from Class I, Superpave (High ESAL), or HMA (High ESAL) binder mixtures, bituminous base course mixtures, and bituminous base course widening mixtures are designated as containing Class C quality coarse aggregate.
- (d) RAP from bituminous stabilized subbase and BAM shoulders are designated as containing Class D quality coarse aggregate.

**1031.05 Use of RAP in HMA.** The use of RAP shall be a Contractor's option when constructing HMA in all contracts. The use of RAP in HMA shall be as follows.

- (a) Coarse Aggregate Size. The coarse aggregate in all RAP shall be equal to or less than the nominal maximum size requirement for the HMA mixture to be produced.

- (b) Steel Slag Stockpiles. RAP stockpiles containing steel slag or other expansive material, as determined by the Department, shall be homogeneous and will be approved for use in HMA (High ESAL and Low ESAL) surface mixtures only.
- (c) Use in HMA Surface Mixtures (High and Low ESAL). RAP stockpiles for use in HMA surface mixtures (High and Low ESAL) shall be homogeneous in which the coarse aggregate is Class B quality or better.
- (d) Use in HMA Binder Mixtures (High and Low ESAL), HMA Base Course, and HMA Base Course Widening. RAP stockpiles for use in HMA binder mixtures (High and Low ESAL), HMA base course, and HMA base course widening shall be homogeneous, or conglomerate, in which the coarse aggregate is Class C quality or better.
- (e) Use in Shoulders and Subbase. RAP stockpiles for use in HMA shoulders and stabilized subbase (HMA) shall be homogeneous, conglomerate, or conglomerate DQ.
- (f) When the Contractor chooses the RAP option, the percentage of RAP shall not exceed the amounts indicated in the table below for a given N Design.

Max RAP Percentage

HMA Mixtures <sup>1/, 3/</sup>	Maximum % RAP			
	Ndesign	Binder/Leveling Binder	Surface	Polymer Modified
30	30	30	30	10
50	25	15	15	10
70	15 / 25 <sup>2/</sup>	10 / 15 <sup>2/</sup>	10 / 15 <sup>2/</sup>	10
90	10	10	10	10
105	10	10	10	10

- 1/ For HMA shoulder and stabilized subbase (HMA) N-30, the amount of RAP shall not exceed 50% of the mixture.
- 2/ Value of Max % RAP if homogeneous RAP stockpile of IL-9.5 RAP is utilized.
- 3/ When RAP exceeds 20 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent RAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28). If warm mix asphalt (WMA) technology is utilized, and production temperatures do not exceed 275°F (135 °C) the grades shall be reduced as follows:

Overlays:

When WMA contains between 20 and 30 percent RAP the high temperature shall be reduced by one grade (i.e. 25 percent RAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-22). When WMA contains 30 percent or more RAP the high and low temperature grades shall each be reduced by one grade (i.e. 35 percent RAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

Full Depth:

When WMA contains between 20 and 30 percent RAP, the low temperature shall be reduced by one grade (i.e. 25 percent RAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG64-28). When the WMA contains 30 percent or more RAP the high and low temperature grades shall each be reduced by one grade (i.e. 35 percent RAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

- (g) When the Contractor chooses the FRAP option, the percentage of FRAP shall not exceed the amounts indicated in the table below for a given N Design.

Max FRAP Percentage<sup>1/</sup>

HMA Mixtures <sup>2/, 3/</sup>	Maximum % FRAP		
	Ndesign	Binder/Leveling Binder	Surface
30	35	35	10
50	30	25	10
70	25	20	10
90	20	15	10
105	10	10	10

- 1/ Minimum of two fractions for surface and binder applications.
- 2/ For HMA shoulder and stabilized subbase (HMA) N30, the amount of RAP shall not exceed 50 percent of the mixture.
- 3/ When FRAP exceeds 20 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent RAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28). If warm mix asphalt (WMA) technology is utilized, and production temperatures do not exceed 275°F (135 °C) the grades shall be reduced as follows:

Overlays:

When WMA contains between 20 and 30 percent FRAP the high temperature shall be reduced by one grade (i.e. 25 percent FRAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-22). When WMA contains 30 percent or more FRAP the high and low temperature grades shall each be reduced by one grade (i.e. 35 percent FRAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

Full Depth:

When WMA contains between 20 and 30 percent FRAP, the low temperature shall be reduced by one grade (i.e. 25 percent FRAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG64-28). When the WMA contains 30 percent or more FRAP the high and low temperature grades shall each be reduced by one grade (i.e. 35 percent FRAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

**1031.06 HMA Mix Designs.** At the Contractor's option, HMA mixtures may be constructed utilizing RAP material meeting the above detailed requirements.

RAP designs shall be submitted for volumetric verification. If additional RAP stockpiles are tested and found that no more than 20 percent of the results, as defined under "Testing" herein, are outside of the control tolerances set for the original RAP stockpile and HMA mix design, and meets all of the requirements herein, the additional RAP stockpiles may be used in the original mix design at the percent previously verified.

**1031.07 HMA Production.** The coarse aggregate in all RAP used shall be equal to or less than the nominal maximum size requirement for the HMA mixture being produced.

To remove or reduce agglomerated material, a scalping screen, crushing unit, or comparable sizing device approved by the Engineer shall be used in the RAP feed system to remove or reduce oversized material. If material passing the sizing device adversely affects the mix production or quality of the mix, the sizing device shall be set at a size specified by the Engineer.

If the RAP control tolerances or QC/QA test results require corrective action, the Contractor shall cease production of the mixture containing RAP and either switch to the virgin aggregate design or submit a new RAP design.

HMA plants utilizing RAP shall be capable of automatically recording and printing the following information.

(a) Dryer Drum Plants.

- (1) Date, month, year, and time to the nearest minute for each print.
- (2) HMA mix number assigned by the Department.
- (3) Accumulated weight of dry aggregate (combined or individual) in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).
- (4) Accumulated dry weight of RAP in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).
- (5) Accumulated mineral filler in revolutions, tons (metric tons), etc. to the nearest 0.1 unit.
- (6) Accumulated asphalt binder in gallons (liters), tons (metric tons), etc. to the nearest 0.1 unit.
- (7) Residual asphalt binder in the RAP material as a percent of the total mix to the nearest 0.1 percent.
- (8) Aggregate and RAP moisture compensators in percent as set on the control panel.

(Required when accumulated or individual aggregate and RAP are printed in wet condition.)

(b) Batch Plants.

- (1) Date, month, year, and time to the nearest minute for each print.
- (2) HMA mix number assigned by the Department.
- (3) Individual virgin aggregate hot bin batch weights to the nearest pound (kilogram).
- (4) Mineral filler weight to the nearest pound (kilogram).
- (5) RAP weight to the nearest pound (kilogram).
- (6) Virgin asphalt binder weight to the nearest pound (kilogram).
- (7) Residual asphalt binder in the RAP material as a percent of the total mix to the nearest 0.1 percent.

The printouts shall be maintained in a file at the plant for a minimum of one year or as directed by the Engineer and shall be made available upon request. The printing system will be inspected by the Engineer prior to production and verified at the beginning of each construction season thereafter.

**1031.08 RAP in Aggregate Surface Course and Aggregate Shoulders.** The use of RAP in aggregate surface course and aggregate shoulders shall be as follows.

- (a) Stockpiles and Testing. RAP stockpiles may be any of those listed in Article 1031.02, except "Other". The testing requirements of Article 1031.03 shall not apply.
- (b) Gradation. One hundred percent of the RAP material shall pass the 1 1/2 in. (37.5 mm) sieve. The RAP material shall be reasonably well graded from coarse to fine. RAP material that is gap-graded or single sized will not be accepted."

**REFLECTIVE SHEETING ON CHANNELIZING DEVICES (BDE)**

Effective: April 1, 2007

Revised: November 1, 2008

Revise the seventh paragraph of Article 1106.02 of the Standard Specifications to read:

"At the time of manufacturing, the retroreflective prismatic sheeting used on channelizing devices shall meet or exceed the initial minimum coefficient of retroreflection as specified in the following table. Measurements shall be conducted according to ASTM E 810, without averaging. Sheeting used on cones, drums and flexible delineators shall be reboundable as tested according to ASTM D 4956. Prestriped sheeting for rigid substrates on barricades shall be white and orange. [The sheeting shall be uniform in color and devoid of streaks throughout the length of each roll. The color shall conform to the latest appropriate standard color tolerance chart issued by the U.S. Department of Transportation, Federal Highway Administration, and to the daytime and nighttime color requirements of ASTM D 4956.](#)

Initial Minimum Coefficient of Retroreflection candelas/foot candle/sq ft (candelas/lux/sq m) of material				
Observation Angle (deg.)	Entrance Angle (deg.)	White	Orange	Fluorescent Orange
0.2	-4	365	160	150
0.2	+30	175	80	70
0.5	-4	245	100	95
0.5	+30	100	50	40"

Revise the first sentence of the first paragraph of Article 1106.02(c) of the Standard Specifications to read:

“Barricades and vertical panels shall have alternating white and orange stripes sloping downward at 45 degrees toward the side on which traffic will pass.”

Revise the third sentence of the first paragraph of Article 1106.02(d) of the Standard Specifications to read:

“The bottom panels shall be 8 x 24 in. (200 x 600 mm) with alternating white and orange stripes sloping downward at 45 degrees toward the side on which traffic will pass.”

**REINFORCEMENT BARS (BDE)**

Effective: November 1, 2005

Revised: April 1, 2009

Revise Article 1006.10(a) of the Standard Specifications to read:

“(a) Reinforcement Bars. Reinforcement bars will be accepted according to the current Bureau of Materials and Physical Research Policy Memorandum, “Reinforcement Bar and/or Dowel Bar Plant Certification Procedure”. The Department will maintain an approved list of producers.

(1) Reinforcement Bars (Non-Coated). Reinforcement bars shall be according to ASTM A 706 (A 706M), Grade 60 (420) for deformed bars and the following.

- a. For straight bars furnished in cut lengths and with a well-defined yield point, the yield point shall be determined as the elastic peak load, identified by a halt or arrest of the load indicator before plastic flow is sustained by the bar and dividing it by the nominal cross-sectional area of the bar.
- b. Tensile strength shall be a minimum of 1.20 times the yield strength.
- c. For bars straightened from coils or bars bent from fabrication, there shall be no upper limit on yield strength; and for bar designation Nos. 3 - 6 (10 - 19), the elongation after rupture shall be at least 9%.
- d. Heat Numbers. Bundles or bars at the construction site shall be marked or tagged with heat identification numbers of the bar producer.

- e. Guided Bend Test. Bars may be subject to a guided bend test across two pins which are free to rotate, where the bending force shall be centrally applied with a fixed or rotating pin of a certain diameter as specified in Table 3 of ASTM A 706 (A 706M). The dimensions and clearances of this guided bend test shall be according to ASTM E 190.
  - f. Spiral Reinforcement. Spiral reinforcement shall be deformed or plain bars conforming to the above requirements or cold-drawn steel wire conforming to AASHTO M 32.
- (2) Epoxy Coated Reinforcement Bars. Epoxy coated reinforcement bars shall be according to Article 1006.10(a)(1) and shall be epoxy coated according to AASHTO M 284 (M 284M) and the following.
- a. Certification. The epoxy coating applicator shall be certified according to the current Bureau of Materials and Physical Research Policy Memorandum, "Epoxy Coating Plant Certification Procedure". The Department will maintain an approved list.
  - b. Coating Thickness. When spiral reinforcement is coated after fabrication, the thickness of the epoxy coating shall be 7 to 20 mils (0.18 to 0.50 mm).
  - c. Cutting Reinforcement. Reinforcement bars may be sheared or sawn to length after coating, providing the end damage to the coating does not extend more than 0.5 in. (13 mm) back and the cut is patched before any visible rusting appears. Flame cutting will not be permitted."

#### **REINFORCEMENT BARS - STORAGE AND PROTECTION (BDE)**

Effective: August 1, 2008

Revised: April 1, 2009

Revise Article 508.03 of the Standard Specifications to read:

**"508.03 Storage and Protection.** Reinforcement bars shall be stored off the ground using platforms, skids, or other supports; and shall be protected from mechanical injury and from deterioration by exposure. Epoxy coated bars shall be stored on wooden or padded steel cribbing and all systems for handling shall have padded contact areas. The bars or bundles shall not be dragged or dropped.

When epoxy coated bars are stored in a manner where they will be exposed to the weather more than 60 days prior to use, they shall be protected from deterioration such as that caused by sunlight, salt spray, and weather exposure. The protection shall consist of covering with opaque polyethylene sheeting or other suitable opaque material. The covering shall be secured and allow for air circulation around the bars to minimize condensation under the cover.

Covering of the epoxy coated bars will not be required when the bars are installed and tied, or when they are partially incorporated into the concrete."

**SEEDING (BDE)**

Effective: July 1, 2004

Revised: January 1, 2009

Revise the following seeding mixtures shown in Table 1 of Article 250.07 of the Standard Specifications to read:

"Table 1 - SEEDING MIXTURES		
Class – Type	Seeds	lb/acre (kg/hectare)
2 Roadside Mixture 7/	Tall Fescue (Inferno, Tarheel II, Quest, Blade Runner, or Falcon IV)	100 (110)
	Perennial Ryegrass	50 (55)
	Creeping Red Fescue	40 (50)
	Red Top	10 (10)
2A Salt Tolerant Roadside Mixture 7/	Tall Fescue (Inferno, Tarheel II, Quest, Blade Runner, or Falcon IV)	60 (70)
	Perennial Ryegrass	20 (20)
	Red Fescue (Audubon, Sea Link, or Epic)	30 (20)
	Hard Fescue (Rescue 911, Spartan II, or Reliant IV)	30 (20)
	Fults Salt Grass 1/	60 (70)"

Revise Note 7 of Table 1 – Seeding Mixtures of Article 250.07 of the Standard Specifications to read:

"7/ In Districts 1 through 6, the planting times shall be April 1 to June 15 and August 1 to November 1. In Districts 7 through 9, the planting times shall be March 1 to June 1 and August 1 to November 15. Seeding may be performed outside these dates provided the Contractor guarantees a minimum of 75 percent uniform growth over the entire seeded area(s) after a period of establishment. Inspection dates for the period of establishment will be as follows: Seeding conducted in Districts 1 through 6 between June 16 and July 31 will be inspected after April 15 and seeding conducted between November 2 and March 31 will be inspected after September 15. Seeding conducted in Districts 7 through 9 between June 2 and July 31 will be inspected after April 15 and seeding conducted between November 16 and February 28 will be inspected after September 15. The guarantee shall be submitted to the Engineer in writing prior to performing the work. After the period of establishment, areas not exhibiting 75 percent uniform growth shall be interseeded or reseeded, as determined by the Engineer, at no additional cost to the Department."

Revise Table II of Article 1081.04(c)(6) of the Standard Specifications to read:

TABLE II						
Variety of Seeds	Hard Seed %	Purity %	Pure Live Seed %	Weed %	Secondary * Noxious Weeds No. per oz (kg)	Notes
	Max.	Min.	Min.	Max.	Max. Permitted	
Alfalfa	20	92	89	0.50	6 (211)	1/
Clover, Alsike	15	92	87	0.30	6 (211)	2/
Red Fescue, Audubon	0	97	82	0.10	3 (105)	-
Red Fescue, Creeping	-	97	82	1.00	6 (211)	-
Red Fescue, Epic	-	98	83	0.05	1 (35)	-
Red Fescue, Sea Link	-	98	83	0.10	3 (105)	-
Tall Fescue, Blade Runner	-	98	83	0.10	2 (70)	-
Tall Fescue, Falcon IV	-	98	83	0.05	1 (35)	-
Tall Fescue, Inferno	0	98	83	0.10	2 (70)	-
Tall Fescue, Tarheel II	-	97	82	1.00	6 (211)	-
Tall Fescue, Quest	0	98	83	0.10	2 (70)	-
Fults Salt Grass	0	98	85	0.10	2 ( 70)	-
Kentucky Bluegrass	-	97	80	0.30	7 (247)	4/
Oats	-	92	88	0.50	2 ( 70)	3/
Redtop	-	90	78	1.80	5 (175)	3/
Ryegrass, Perennial, Annual	-	97	85	0.30	5 (175)	3/
Rye, Grain, Winter	-	92	83	0.50	2 ( 70)	3/
Hard Fescue, Reliant IV	-	98	83	0.05	1 (35)	-
Hard Fescue, Rescue 911	0	97	82	0.10	3 (105)	-
Hard Fescue, Spartan II	-	98	83	0.10	3 (105)	-
Timothy	-	92	84	0.50	5 (175)	3/
Wheat, hard Red Winter	-	92	89	0.50	2 ( 70)	3/

Revise the first sentence of the first paragraph of Article 1081.04(c)(7) of the Standard Specifications to read:

“The seed quantities indicated per acre (hectare) for Prairie Grass Seed in Classes 3, 3A, 4, 4A, 6, and 6A in Article 250.07 shall be the amounts of pure, live seed per acre (hectare) for each species listed.”

**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.

**TEMPORARY EROSION CONTROL (BDE)**

Effective: November 1, 2002

Revised: January 1, 2008

Revise the third paragraph of Article 280.03 of the Standard Specifications to read:

“Erosion control systems shall be installed prior to beginning any activities which will potentially create erodible conditions. Erosion control systems for areas outside the limits of construction such as storage sites, plant sites, waste sites, haul roads, and Contractor furnished borrow sites shall be installed prior to beginning soil disturbing activities at each area. These offsite systems shall be designed by the Contractor and be subject to the approval of the Engineer.”

Add the following paragraph after the third paragraph of Article 280.03 of the Standard Specifications:

“The temporary erosion and sediment control systems shown on the plans represent the minimum systems anticipated for the project. Conditions created by the Contractor’s operations, or for the Contractor’s convenience, which are not covered by the plans, shall be protected as directed by the Engineer at no additional cost to the Department. Revisions or modifications of the erosion and sediment control systems shall have the Engineer’s written approval.”

Add the following paragraph after the ninth paragraph of Article 280.07 of the Standard Specifications:

“Temporary or permanent erosion control systems required for areas outside the limits of construction will not be measured for payment.”

Delete the tenth (last) paragraph of Article 280.08 of the Standard Specifications.

**THERMOPLASTIC PAVEMENT MARKINGS (BDE)**

Effective: January 1, 2007

Revise Article 1095.01(a)(2) of the Standard Specifications to read:

“(2) Pigment. The pigment used for the white thermoplastic compound shall be a high-grade pure (minimum 93 percent) titanium dioxide (TiO<sub>2</sub>). The white pigment content shall be a minimum of ten percent by weight and shall be uniformly distributed throughout the thermoplastic compound.

The pigments used for the yellow thermoplastic compound shall not contain any hazardous materials listed in the Environmental Protection Agency Code of Federal Regulations (CFR) 40, Section 261.24, Table 1. The combined total of RCRA listed heavy metals shall not exceed 100 ppm when tested by X-ray fluorescence spectroscopy. The pigments shall also be heat resistant, UV stable and color-fast yellows, golds, and oranges, which shall produce a compound which shall match Federal Standard 595 Color No. 33538. The pigment shall be uniformly distributed throughout the thermoplastic compound.”

Revise Article 1095.01(b)(1)e. of the Standard Specifications to read:

“e. Daylight Reflectance and Color. The thermoplastic compound after heating for four hours ± five minutes at 425 ± 3 °F (218.3 ± 2 °C) and cooled at 77 °F (25 °C) shall meet the following requirements for daylight reflectance and color, when tested, using a color spectrophotometer with 45 degree circumferential/zero degree geometry, illuminant C, and two degree observer angle. The color instrument shall measure the visible spectrum from 380 to 720 nm with a wavelength measurement interval and spectral bandpass of 10 nm.

White: Daylight Reflectance .....75 percent min.

\*Yellow: Daylight Reflectance .....45 percent min.

\*Shall meet the coordinates of the following color tolerance chart.

x	0.490	0.475	0.485	0.530
y	0.470	0.438	0.425	0.456”

Revise Article 1095.01(b)(1)k. of the Standard Specifications to read:

“k. Accelerated Weathering. After heating the thermoplastic for four hours ± five minutes at 425 ± 3 °F (218.3 ± 2 °C) the thermoplastic shall be applied to a steel wool abraded aluminum alloy panel (Federal Test Std. No. 141, Method 2013) at a film thickness of 30 mils (0.70 mm) and allowed to cool for 24 hours at room temperature. The coated panel shall be subjected to accelerated weathering using the light and water exposure apparatus (fluorescent UV - condensation type) for 75 hours according to ASTM G 53 (equipped with UVB-313 lamps).

The cycle shall consist of four hours UV exposure at 122 °F (50 °C) followed by four hours of condensation at 104 °F (40 °C). UVB 313 bulbs shall be used. At the end of the exposure period, the panel shall not exceed 10 Hunter Lab Delta E units from the original material.”

### **WORKING DAYS (BDE)**

Effective: January 1, 2002

The Contractor shall complete the work within 70 working days.

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

Effective: November 2, 2006

Revised: April 1, 2009

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

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

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

$$CA = (BPI_P - BPI_L) \times (\%AC_V / 100) \times Q$$

- Where: CA = Cost Adjustment, \$.  
BPI<sub>P</sub> = Bituminous Price Index, as published by the Department for the month the work is performed, \$/ton (\$/metric ton).  
BPI<sub>L</sub> = Bituminous Price Index, as published by the Department for the month prior to the letting, \$/ton (\$/metric ton).  
%AC<sub>V</sub> = Percent of virgin Asphalt Cement in the Quantity being adjusted. For HMA mixtures, the % AC<sub>V</sub> will be determined from the adjusted job mix formula. For bituminous materials applied, a performance graded or cutback asphalt will be considered to be 100% AC<sub>V</sub> and undiluted emulsified asphalt will be considered to be 65% AC<sub>V</sub>.  
Q = Authorized construction Quantity, tons (metric tons) (see below).

For HMA mixtures measured in square yards:  $Q, \text{ tons} = A \times D \times (G_{mb} \times 46.8) / 2000$ . For HMA mixtures measured in square meters:  $Q, \text{ metric tons} = A \times D \times (G_{mb} \times 24.99) / 1000$ . When computing adjustments for full-depth HMA pavement, separate calculations will be made for the binder and surface courses to account for their different  $G_{mb}$  and % AC<sub>V</sub>.

For bituminous materials measured in gallons:  $Q, \text{ tons} = V \times 8.33 \text{ lb/gal} \times SG / 2000$   
For bituminous materials measured in liters:  $Q, \text{ metric tons} = V \times 1.0 \text{ kg/L} \times SG / 1000$

- Where: A = Area of the HMA mixture, sq yd (sq m).  
D = Depth of the HMA mixture, in. (mm).  
G<sub>mb</sub> = Average bulk specific gravity of the mixture, from the approved mix design.  
V = Volume of the bituminous material, gal (L).  
SG = Specific Gravity of bituminous material as shown on the bill of lading.

Basis of Payment. Bituminous materials cost adjustments may be positive or negative but will only be made when there is a difference between the BPI<sub>L</sub> and BPI<sub>P</sub> in excess of five percent, as calculated by:

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

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

## RETURN WITH BID

### ILLINOIS DEPARTMENT OF TRANSPORTATION

### OPTION FOR BITUMINOUS MATERIALS COST ADJUSTMENTS

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

**Contract No.:** \_\_\_\_\_

**Company Name:** \_\_\_\_\_

**Contractor's Option:**

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

Yes  No

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**STORM WATER POLLUTION PREVENTION PLAN**



**Storm Water Pollution Prevention Plan**

Route	<u>FAP 525</u>	Marked Rt.	<u>US 20</u>
Section	<u>(13,14-1)RS-2</u>	Project No.	<u></u>
County	<u>Boone County</u>	Contract No.	<u>64F06</u>

This plan has been prepared to comply with the provisions of the NPDES Permit Number ILR10, issued by the Illinois Environmental Protection Agency on May 30, 2003 for storm water discharges from Construction Site Activities. This plan has also been prepared to comply with the provisions of NPDES Permit Number ILR40 for discharges from small municipal separate storm sewer systems if checked below.

NPDES permits associated with this project:

- ILR10 Permit No. (if applicable): \_\_\_\_\_
- ILR40 Permit No. (if applicable): \_\_\_\_\_

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<p style="text-align: center;"><u>George F. Ryan</u>  <small>Print Name</small></p> <p style="text-align: center;"><u>Deputy Director of Highways, Region Engineer</u>  <small>Title</small></p> <p style="text-align: center;"><u>Illinois Department of Transportation</u>  <small>Agency</small></p>	<p style="text-align: center;"><u><i>George F. Ryan</i></u>  <small>Signature</small></p> <p style="text-align: center;"><u>2-6-09</u>  <small>Date</small></p>
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**I. Site Description:**

A. The following is a description of the project location:

This project is located along US 20 from Farmington Way in Belvidere to McHenry County line.

B. The following is a description of the construction activity which is the subject of this plan:

This project is a 3P project which consists of patching, resurfacing and placing topsoil wedge along the outside edge of shoulders.

C. The following is a description of the intended sequence of major activities which will disturb soils for major portions of the construction site, such as grubbing, excavation and grading:

The placement of topsoil along the shoulders.

D. The total area of the construction site is estimated to be 30 acres.

The total area of the site that is estimated will be disturbed by excavation, grading or other activities is 3.54 acres.

E. The following is a weighted average of the runoff coefficient for this project after construction activities are completed:

0.78

- F. The following is a description of the soil types found at the project site followed by information regarding their erosivity:

Based on the USDA "Soil Survey of Boone County, Illinois" the mapped soil area associated with this project consist of "Warsaw Loam", 2-4% slope. This association generally has an erosion factor (k) value of 0.24 for water and is assigned to group 5 for wind suceptabilityto wind erosion.

- G. The following is a description of potentially erosive areas associated with this project:

The only known erosive area is going to be the topsoil wedge that will be placed along the shoulders on the project.

- H. The following is a description of soil disturbing activities, their locations, and their erosive factors (e.g. steepness of slopes, length of slopes, etc):

The topsoil wedge that will be placed and has a slope approximately 6%.

- I. See the erosion control plans and/or drainage plans for this contract for information regarding drainage patterns, approximate slopes anticipated before and after major grading activities, locations where vehicles enter or exit the site and controls to prevent offsite sediment tracking (to be added after contractor identifies locations), areas of soil disturbance, the location of major structural and non-structural controls identified in the plan, the location of areas where stabilization practices are expected to occur, surface waters (including wetlands) and locations where storm water is discharged to surface water including wetlands.

- J. The following is a list of receiving water(s) and the ultimate receiving water(s), and areal extent of wetland acreage at the site. The location of the receiving waters can be found on the erosion and sediment control plans:

Coone creek

- K. The following pollutants of concern will be associated with this construction project:

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Soil Sediment             | <input checked="" type="checkbox"/> Petroleum (gas, diesel, oil, kerosene, hydraulic oil / fluids) |
| <input checked="" type="checkbox"/> Concrete                  | <input checked="" type="checkbox"/> Antifreeze / Coolants  |
| <input checked="" type="checkbox"/> Concrete Truck Waste      | <input checked="" type="checkbox"/> Waste water from cleaning construction equipment               |
| <input checked="" type="checkbox"/> Concrete Curing Compounds | <input type="checkbox"/> Other (specify)   |
| <input checked="" type="checkbox"/> Solid Waste Debris        | <input type="checkbox"/> Other (specify)   |
| <input type="checkbox"/> Paints                               | <input type="checkbox"/> Other (specify)   |
| <input type="checkbox"/> Solvents                             | <input type="checkbox"/> Other (specify)   |
| <input checked="" type="checkbox"/> Fertilizers / Pesticides  | <input type="checkbox"/> Other (specify)   |

**II. Controls:**

This section of the plan addresses the controls that will be implemented for each of the major construction activities described in I.C. above and for all use areas, borrow sites, and waste sites. For each measure discussed, the contractor will be responsible for its implementation as indicated. The contractor shall provide to the resident engineer a plan for the implementation of the measures indicated. The contractor, and subcontractors, will notify the resident engineer of any proposed changes, maintenance, or modifications to keep construction activities compliant with the permit. Each such contractor has signed the required certification on forms which are attached to, and are a part of, this plan:

**A. Erosion and Sediment Controls**

1. **Stabilized Practices:** Provided below is a description of interim and permanent stabilization practices, including site specific scheduling of the implementation of the practices. Site plans will ensure that existing vegetation is preserved where attainable and disturbed portions of the site will be stabilized. Stabilization practices may include but are not limited to: temporary seeding, permanent seeding, mulching, geotextiles, sodding, vegetative buffer strips, protection of trees, preservation of mature vegetation, and other appropriate measures. Except as provided below in II(A)(1)(a) and II(A)(3), stabilization measures shall be

initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceases on all disturbed portions of the site where construction will not occur for a period of 21 or more calendar days.

- a. Where the initiation of stabilization measures by the 14<sup>th</sup> day after construction activity temporarily or permanently ceases is precluded by snow cover, stabilization measures shall be initiated as soon as practicable thereafter.

The following Stabilization Practices will be used for this project:

- |   |  |
|---|--|
| <input type="checkbox"/> Preservation of Mature Vegetation            | <input checked="" type="checkbox"/> Erosion Control Blanket / Mulching |
| <input type="checkbox"/> Vegetated Buffer Strips                      | <input type="checkbox"/> Sodding                                       |
| <input type="checkbox"/> Protection of Trees                          | <input type="checkbox"/> Geotextiles                                   |
| <input checked="" type="checkbox"/> Temporary Erosion Control Seeding | <input type="checkbox"/> Other (specify)                               |
| <input type="checkbox"/> Temporary Turf (Seeding, Class 7)            | <input type="checkbox"/> Other (specify)                               |
| <input type="checkbox"/> Temporary Mulching                           | <input type="checkbox"/> Other (specify)                               |
| <input checked="" type="checkbox"/> Permanent Seeding                 | <input type="checkbox"/> Other (specify)                               |

Describe how the Stabilization Practices listed above will be utilized:

Temporary erosion control seeding will be applied to all bare areas to minimize exposed earth surfaces. Permanent seeding Class 2A will be done per IDOT standards. Erosion control Blanket shall be used on permanent seeding to cover the seeded areas.

2. **Structural Practices:** Provided below is a description of structural practices that will be implemented, to the degree attainable, to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Such practices may include but are not limited to: perimeter erosion barrier, earth dikes, drainage swales, sediment traps, ditch checks, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins. The installation of these devices may be subject to Section 404 of the Clean Water Act.

The following Structural Practices will be used for this project:

- |  |  |
|--|--|
| <input type="checkbox"/> Perimeter Erosion Barrier     | <input type="checkbox"/> Rock Outlet Protection  |
| <input type="checkbox"/> Temporary Ditch Check         | <input type="checkbox"/> Riprap                  |
| <input type="checkbox"/> Storm Drain Inlet Protection  | <input type="checkbox"/> Gabions                 |
| <input type="checkbox"/> Sediment Trap                 | <input type="checkbox"/> Slope Mattress          |
| <input type="checkbox"/> Temporary Pipe Slope Drain    | <input type="checkbox"/> Retaining Walls         |
| <input type="checkbox"/> Temporary Sediment Basin      | <input type="checkbox"/> Slope Walls             |
| <input type="checkbox"/> Temporary Stream Crossing     | <input type="checkbox"/> Concrete Revetment Mats |
| <input type="checkbox"/> Stabilized Construction Exits | <input type="checkbox"/> Level Spreaders         |
| <input type="checkbox"/> Turf Reinforcement Mats       | <input type="checkbox"/> Other (specify)         |
| <input type="checkbox"/> Permanent Check Dams          | <input type="checkbox"/> Other (specify)         |
| <input type="checkbox"/> Permanent Sediment Basin      | <input type="checkbox"/> Other (specify)         |
| <input type="checkbox"/> Aggregate Ditch               | <input type="checkbox"/> Other (specify)         |
| <input type="checkbox"/> Paved Ditch                   | <input type="checkbox"/> Other (specify)         |

Describe how the Structural Practices listed above will be utilized:

None.

3. **Storm Water Management:** Provided below is a description of measures that will be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. The installation of these devices may be subject to Section 404 of the Clean Water Act.

- a. Such practices may include but are not limited to: storm water detention structures (including wet ponds), storm water retention structures, flow attenuation by use of open vegetated swales and natural depressions, infiltration of runoff on site, and sequential systems (which combine several practices).

The practices selected for implementation were determined on the basis of the technical guidance in Section 59-8 (Erosion and Sediment Control) in Chapter 59 (Landscape Design and Erosion Control) of the Illinois Department of Transportation Bureau of Design and Environment Manual. If practices other than those discussed in Section 59-8 are selected for implementation or if practices are applied to situations different from those covered in Section 59-8, the technical basis for such decisions will be explained below.

- b. Velocity dissipation devices will be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g. maintenance of hydrologic conditions such as the hydroperiod and hydrodynamics present prior to the initiation of construction activities).

#### Description of Storm Water Management Controls.

Culvert flows must be maintained by the Contractor throughout the project. Normal flows shall be allowed to pass at the rate it enters the jobsite. High flows shall be allowed to pass without causing damage to upstream properties.

#### 4. Other Controls:

- a. Vehicle Entrances and Exits – Stabilized construction entrances and exits must be constructed to prevent tracking of sediments onto roadways.

The contractor will provide the resident engineer with a written plan identifying the location of stabilized entrances and exits and the procedures (s)he will use to construct and maintain them.

- b. Material Delivery, Storage, and Use – The following BMPs shall be implemented to help prevent discharges of construction materials during delivery, storage, and use:
  - All products delivered to the project site must be properly labeled.
  - Water tight shipping containers and/or semi trailers shall be used to store hand tools, small parts, and most construction materials that can be carried by hand, such as paint cans, solvents, and grease.
  - A storage/containment facility should be chosen for larger items such as drums and items shipped or stored on pallets. Such material is to be covered by a tin roof or large sheets of plastic to prevent precipitation from coming in contact with the products being stored.
  - Large items such as light stands, framing materials and lumber shall be stored in the open in a general storage area. Such material shall be elevated with wood blocks to minimize contact with storm water runoff.
  - Spill clean-up materials, material safety data sheets, an inventory of materials, and emergency contact numbers shall be maintained and stored in one designated area and each Contractor is to inform his/her employees and the resident engineer of this location.
- c. Stockpile Management – BMPs shall be implemented to reduce or eliminate pollution of storm water from stockpiles of soil and paving materials such as but not limited to portland cement concrete rubble, asphalt concrete, asphalt concrete rubble, aggregate base, aggregate sub base, and pre-mixed aggregate. The following BMPs may be considered:
  - Perimeter Erosion Barrier
  - Temporary Seeding
  - Temporary Mulch
  - Plastic Covers
  - Soil Binders
  - Storm Drain Inlet Protection

The contractor will provide the resident engineer with a written plan of the procedures (s)he will use on the project and how they will be maintained.

- d. Waste Disposal. No materials, including building materials, shall be discharged into Waters of the State, except as authorized by a Section 404 permit.

- e. The provisions of this plan shall ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.
- f. The contractor shall provide a written and graphic plan to the resident engineer identifying where each of the above areas will be located and how they are to be managed.

### 5. Approved State or Local Laws

The management practices, controls and provisions contained in this plan will be in accordance with IDOT specifications, which are at least as protective as the requirements contained in the Illinois Environmental Protection Agency's Illinois Urban Manual, 1995. Procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials shall be described or incorporated by reference in the space provided below. Requirements specified in sediment and erosion site plans, site permits, storm water management site plans or site permits approved by local officials that are applicable to protecting surface water resources are, upon submittal of an NOI, to be authorized to discharge under permit ILR10 incorporated by reference and are enforceable under this permit even if they are not specifically included in the plan.

Description of procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials:

All management practices, control, and other provisions provided in this plan are in accordance with "IDOT Standard Specifications for Road and Bridge Construction".

### III. Maintenance:

The following is a description of procedures that will be used to maintain, in good and effective operating conditions, the vegetation, erosion and sediment control measures and other protective measures identified in this plan. The resident engineer will provide maintenance guides to the contractor for the practices associated with this project.

Seeding-All erodible bare earth areas will be temporarily seeded as needed to minimize the amount of erodible surface.

### IV. Inspections:

Qualified personnel shall inspect disturbed areas of the construction site which have not yet been finally stabilized, structural control measures, and locations where vehicles and equipment enter and exit the site. Such inspections shall be conducted at least once every seven (7) calendar days and within 24 hours of the end of a storm that is 0.5 inches or greater or equivalent snowfall.

- A. Disturbed areas, use areas (storage of materials, stockpiles, machine maintenance, fueling, etc.), borrow sites, and waste sites shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. Discharge locations or points that are accessible, shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of off site sediment tracking.
- B. Based on the results of the inspection, the description of potential pollutant sources identified in section I above and pollution prevention measures identified in section II above shall be revised as appropriate as soon as practicable after such inspection. Any changes to this plan resulting from the required inspections shall be implemented within ½ hour to 1 week based on the urgency of the situation. The resident engineer will notify the contractor of the time required to implement such actions through the weekly inspection report.
- C. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of this storm water pollution prevention plan, and actions taken in accordance with section IV(B) shall be made and retained as part of the plan for at least three (3) years after the date of the inspection. The report shall be signed in accordance with Part VI. G of the general permit.

- D. If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the resident engineer shall complete and file an "Incidence of Noncompliance" (ION) report for the identified violation. The resident engineer shall use forms provided by the Illinois Environmental Protection Agency and shall include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of noncompliance shall be signed by a responsible authority in accordance with Part VI. G of the general permit.

The Incidence of Non-Compliance shall be mailed to the following address:

Illinois Environmental Protection Agency  
Division of Water Pollution Control  
Attn: Compliance Assurance Section  
1021 North Grand East  
Post Office Box 19276  
Springfield, Illinois 62794-9276

**V. Non-Storm Water Discharges:**

Except for flows from fire fighting activities, sources of non-storm water that is combined with storm water discharges associated with the industrial activity addressed in this plan must be described below. Appropriate pollution prevention measures, as described below, will be implemented for the non-storm water component(s) of the discharge.

- A. Spill Prevention and Control – BMPs shall be implemented to contain and clean-up spills and prevent material discharges to the storm drain system. The contractor shall produce a written plan stating how his/her company will prevent, report, and clean up spills and provide a copy to all of his/her employees and the resident engineer. The contractor shall notify all of his/her employees on the proper protocol for reporting spills. The contractor shall notify the resident engineer of any spills immediately.
- B. Concrete Residuals and Washout Wastes – The following BMPs shall be implemented to control residual concrete, concrete sediments, and rinse water:
- Temporary Concrete Washout Facilities shall be constructed for rinsing out concrete trucks. Signs shall be installed directing concrete truck drivers where designated washout facilities are located.
  - The contractor shall have the location of temporary concrete washout facilities approved by the resident engineer.
  - All temporary concrete washout facilities are to be inspected by the contractor after each use and all spills must be reported to the resident engineer and cleaned up immediately.
  - Concrete waste solids/liquids shall be disposed of properly.
- C. Litter Management – A proper number of dumpsters shall be provided on site to handle debris and litter associated with the project. The Contractor is responsible for ensuring his/her employees place all litter including marking paint cans, soda cans, food wrappers, wood lathe, marking ribbon, construction string, and all other construction related litter in the proper dumpsters.
- D. Vehicle and Equipment Cleaning – Vehicles and equipment are to be cleaned in designated areas only, preferably off site.
- E. Vehicle and Equipment Fueling – A variety of BMPs can be implemented during fueling of vehicles and equipment to prevent pollution. The contractor shall inform the resident engineer as to which BMPs will be used on the project. The contractor shall inform the resident engineer how (s)he will be informing his/her employees of these BMPs (i.e. signs, training, etc.). Below are a few examples of these BMPs:
- Containment
  - Spill Prevention and Control
  - Use of Drip Pans and Absorbents
  - Automatic Shut-Off Nozzles
  - Topping Off Restrictions

- Leak Inspection and Repair

F. Vehicle and Equipment Maintenance – On site maintenance must be performed in accordance with all environmental laws such as proper storage and no dumping of old engine oil or other fluids on site.

**VI. Failure to Comply:**

Failure to comply with any provisions of this Storm Water Pollution Prevention Plan will result in the implementation of an Erosion and Sediment Control Deficiency Deduction against the contractor and/or penalties under the NPDES permit which could be passed onto the contractor.



**Contractor Certification Statement**

The Resident Engineer is to make copies of this form and every contractor and sub-contractor will be required to complete their own separate form.

This certification statement is part of the Storm Water Pollution Prevention Plan for the project described below, in accordance with General NPDES Permit No. ILR10 issued by the Illinois Environmental Protection Agency.

Route	<u>FAP 525</u>	Marked Rt.	<u>US 20</u>
Section	<u>(13,14-1)RS-2</u>	Project No.	<u></u>
County	<u>Boone County</u>	Contract No.	<u>64F06</u>

I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit (ILR 10) that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification. I have read and understand all of the information and requirements stated in the Storm Water Pollution Prevention Plan for the above mentioned project. I have provided all documentation required to be in compliance with the ILR10 and Storm Water Pollution Prevention Plan and will provide timely updates to these documents as necessary.

Contractor

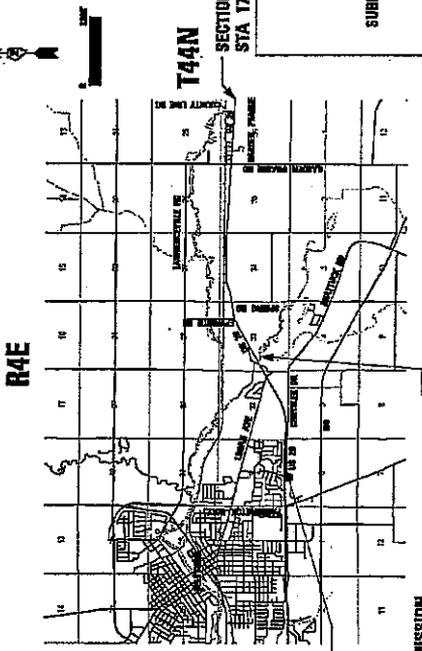
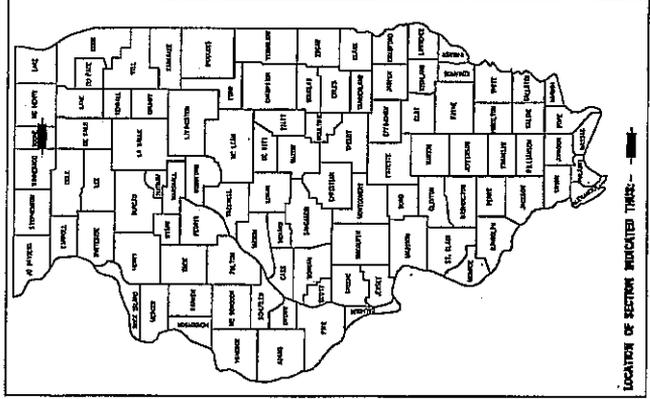
Sub-Contractor

_____	_____
Print Name	Signature
_____	_____
Title	Date
_____	_____
Name of Firm	Telephone
_____	_____
Street Address	City/State/ZIP

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
**PROPOSED  
 HIGHWAY PLANS**

FAP ROUTE 525 (US 20)  
 SECTION (13,14-1)RS-2  
 PROJECT NO.: ESP-0525 (115)  
 BOONE COUNTY  
 JOB NO. C-92-119-09

SECTION	JOINT SHEET NO.
13,14-1RS-2	115
ILL. ROAD DIST. NO.	CONTRACT NO.
0-92-064-09	0525



FOR INDEX OF SHEETS, SEE SHEET NO. 2  
 FOR STATE STANDARDS, SEE SHEET NO. 2

BONUS TOWNSHIP SECTIONS - 31, 32, 33, 34, 35, & 36

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZE PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JULIE  
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
 1-800-852-0123  
 OR 311

PROJECT ENGINEER: MASOOD AHMAD  
 SENIOR SQUAD LEADER: SAJM ABDULLAH (815) 284-5938  
 STUDIES & PLANS SQUAD ENGINEER: MATT FARMER (815) 284-5938  
 CONTRACT NO. 64F06

FAP 525 (US 20) SECTION (13,14-1)RS-2 BOONE COUNTY

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 SUBMITTED FEB 6 20 09  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER  
 ENGINEER OF DESIGN AND ENVIRONMENT  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER



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 OF THE STATE OF ILLINOIS

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**STATE STANDARDS**

420001 - 07	PAVEMENT JOINTS
442201 - 03	CLASS C & D PATCHES
482011 - 03	HMA SHLD STRIPS (SHLDS) W/RESURFACING OR WIDENING AND RESURFACING PROJECTS
642001 - 01	SHOULDER RUMBLE STRIP
701006 - 03	OFF-ROAD OPERATIONS, 2L, 2W, 4.5 M (15') TO 600 MM (24") FROM PAVEMENT EDGE
701201 - 03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS $\geq$ 45 MPH
701301 - 03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306 - 02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS $\geq$ 45 MPH
701311 - 03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501 - 05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502 - 03	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701 - 06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901 - 01	TRAFFIC CONTROL DEVICES
720011 - 01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
728001 - 01	TELESCOPING STEEL SIGN SUPPORT
729001 - 01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001 - 02	TYPICAL PAVEMENT MARKINGS
781001 - 03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001 - 01	DETECTOR LOOP INSTALLATIONS
886006 - 01	TYPICAL LAYOUTS FOR DETECTION LOOPS

**SUMMARY OF QUANTITIES**

CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	100% Of Federal		
				1000 Roadway Urban	YD31-1F Signals Urban	1000. Roadway Rural
21101600	TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH ✓	SQ YD	17,139	4,958		12,181
* 25000210	SEEDING, CLASS 2A ✓	ACRE	3.5	1.0		2.5
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	319	92		227
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	319	92		227
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	319	92		227
* 25100630	EROSION CONTROL BLANKET ✓	SQ YD	17,139	4,958		12,181
28000255	TEMPORARY EROSION CONTROL SEEDING	ACRE	4,957	1,434		3,523.0
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	101	29		72
40600300	AGGREGATE (PRIME COAT)	TON	402	111		291
40600535	LEVELING BINDER (HAND METHOD), N70 ✓	TON	56	0		56
40600635	LEVELING BINDER (MACHINE METHOD), N70 ✓	TON	3,753	0		3,753
40600735	POLYMERIZED LEVELING BINDER (HAND METHOD), N70 ✓	TON	25	25		0
40600837	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N70 ✓	TON	1,703	1,703		0
40600895	CONSTRUCTING TEST STRIP	EACH	2	1		1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,340	420		920
40600990	TEMPORARY RAMP	SQ YD	3,954	2,267		1,687

\*SPECIALTY ITEM

**SUMMARY OF QUANTITIES**

CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	100% Of Federal			
				1000. Roadway Urban	1000. Roadway Rural	1000. Signals Urban	1000. Signals Rural
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES ✓	TON	199	160			39
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 ✓	TON	5,701	2,113			3,588
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 ✓	TON	5,629	0			5,629
40603590	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N70 ✓	TON	2,554	2,554			0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	1,454	0			1,454
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2" ✓	SQ YD	44,452	44,452			0
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2" ✓	SQ YD	31,243	0			31,243
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH ✓	SQ YD	4,170	2,551			1,619
44002234	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 8 1/2" ✓	SQ YD	347	265			82
44004250	PAVED SHOULDER REMOVAL ✓	SQ YD	74	74			0
44200202	PAVEMENT PATCHING, TYPE II, 17 INCH ✓	SQ YD	23	11			12
44200204	PAVEMENT PATCHING, TYPE III, 17 INCH ✓	SQ YD	17	17			0
44200206	PAVEMENT PATCHING, TYPE IV, 17 INCH ✓	SQ YD	39	39			
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT ✓	FOOT	52,690	11,340			41,350
48101200	AGGREGATE SHOULDERS, TYPE B ✓	TON	432	414			18

**SUMMARY OF QUANTITIES**

CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	100% Of Federal		
				1000- Roadway Urban	7031-1F Signals Urban	1000- Roadway Rural
48102100	AGGREGATE WEDGE SHOULDER, TYPE B ✓	TON	32	0		32
60255500	MANHOLES TO BE ADJUSTED	EACH	4	0		4
63500205	REMOVING AND REPLACING DELINEATORS ✓	EACH	44	20		24
64200105	SHOULDER-RUMBLE STRIP ✓	FOOT	43,990	16,870		27,120
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6		
67100100	MOBILIZATION ✓	L SUM	1	1		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201 ✓	L SUM	1	1		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1		
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1		
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	36,488	12,212		24,276
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	3,041	1,018		2,023
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	742	142		600
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4" ✓	FOOT	97,646	34,466		63,180
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6" ✓	FOOT	2,613	921		1,692

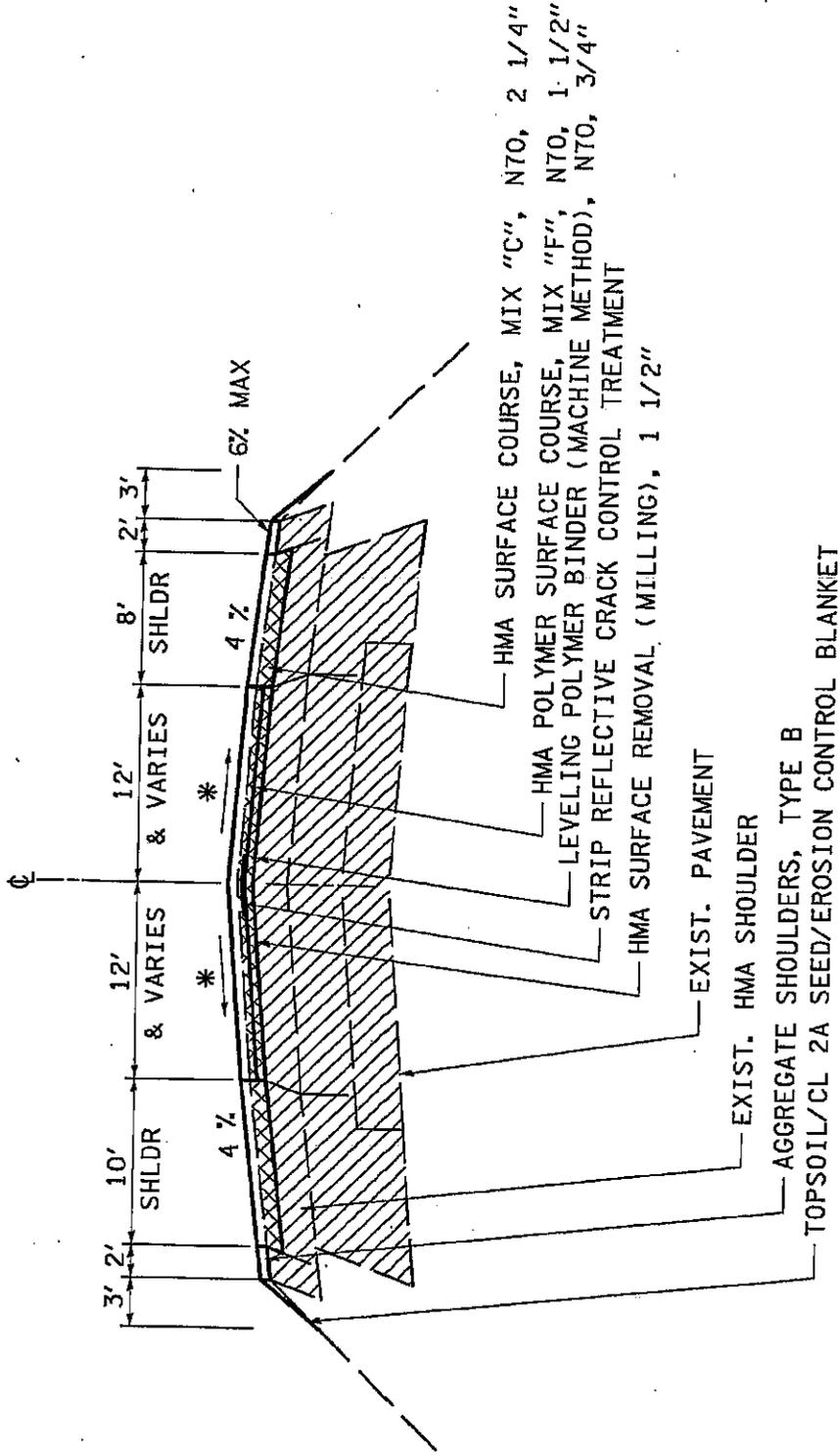
\* SPECIALTY ITEM

**SUMMARY OF QUANTITIES**

CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	100% Of Federal		
				1000. Roadway Urban	YO31 - 1F Signals Urban	1000. Roadway Rural
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	499	242		257
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,938	1,729		1,209
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	351	119		232
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER ✓	EACH	854	290		564
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	375	125		250
81400115	HANDHOLE TO BE ADJUSTED	EACH	2		2	
* 88600400	DETECTOR LOOP, SPECIAL ✓	FOOT	1,272		1,272	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		0
Z0028415	GEOTECHNICAL REINFORCEMENT ✓	SQ YD	153	141		12
Z0028700	GRANULAR SUBGRADE REPLACEMENT ✓	CU YD	7	6		1
Z0040315	PILOT CAR	DAY	8	8		
*SPECIALTY ITEM						

# TYPICAL SECTION

STA. 1412+86.3 TO STA. 1463+92.9

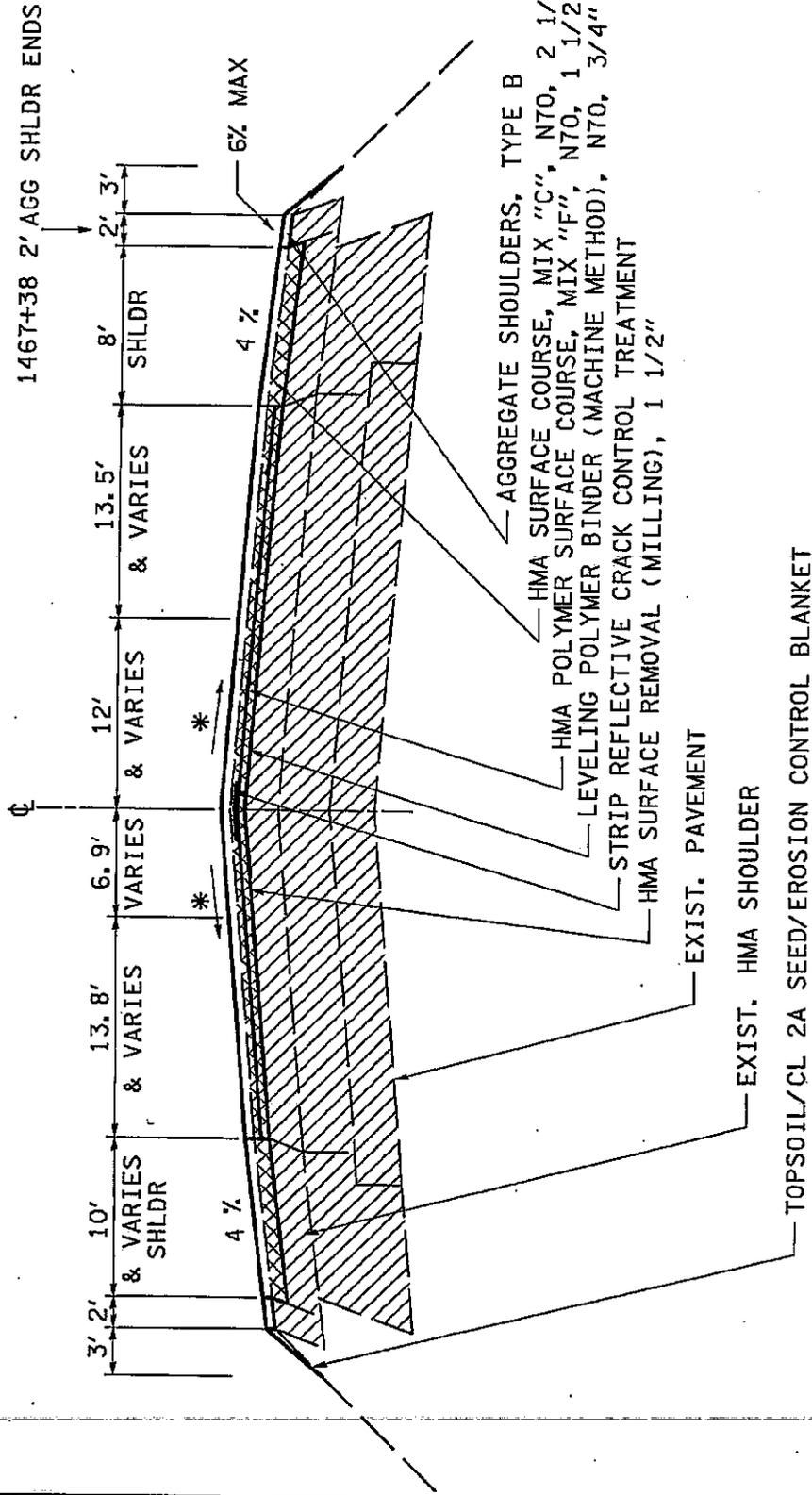


\* MAINTAIN EXISTING CROSS SLOPE (MINIMUM 1/8"/FT) MIX "C" SURFACE COURSE.....112 lb/sy/in  
 POLYMERIZED LEVELING BINDER AND  
 MIX "F" POLYMERIZED SURFACE COURSE...123 lb/sy/in

STATE OF ILLINOIS		US 20		SECTION		COUNTY		TOTAL SHEETS	
DEPARTMENT OF TRANSPORTATION		TYPICAL SECTIONS		43.44-1) RS-2		BOONE		84	
SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	JOB NO. C-92-119-09	ILLINOIS FED. AID PROJECT		CONTRACT NO. 64F06		

# TYPICAL SECTION

STA. 1463+92.9 TO STA. 1474+94.1

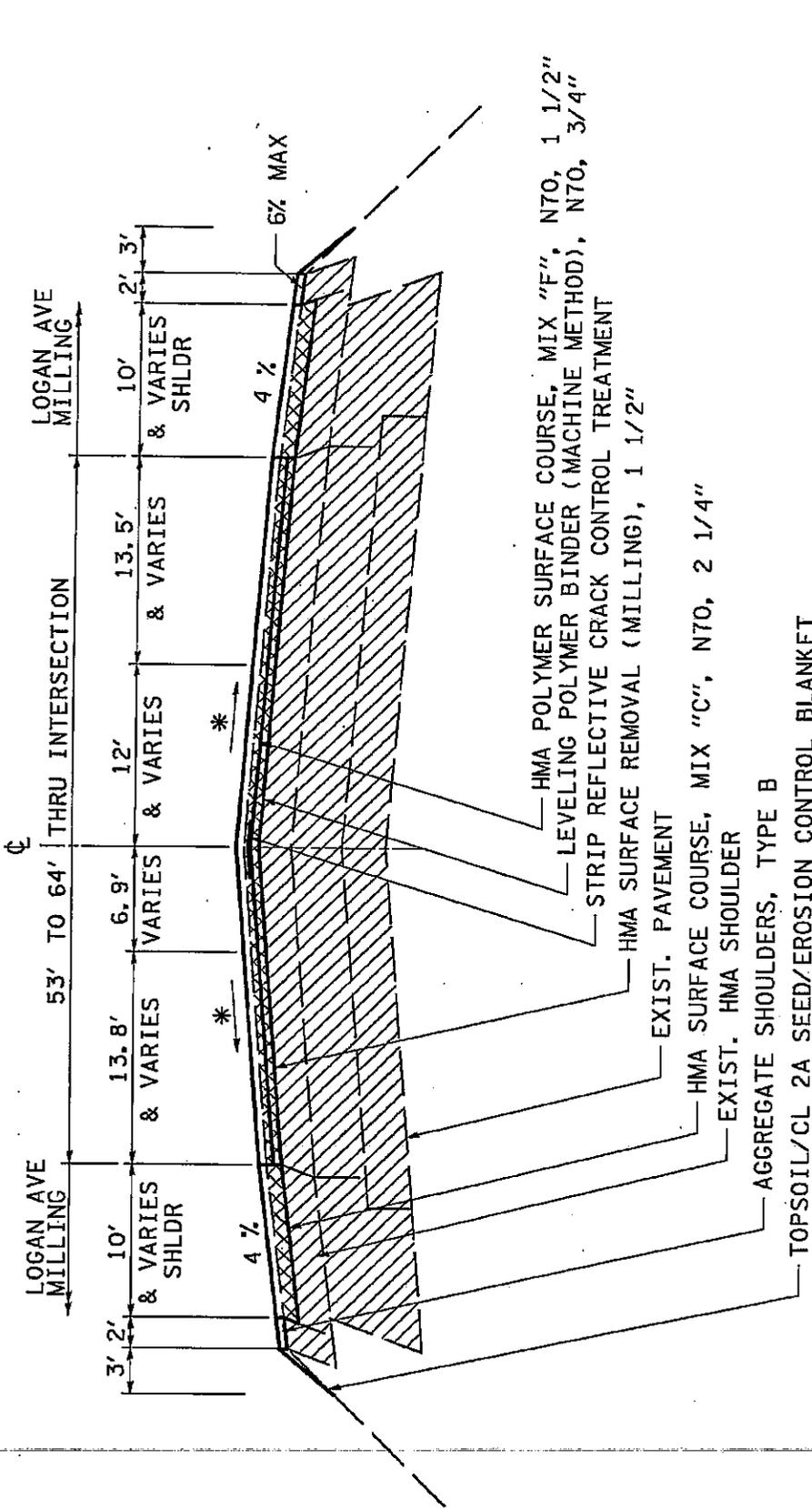


MIX "C" SURFACE COURSE..... 112 lb/sy/1in  
 MIX "F" POLYMERIZED SURFACE COURSE... 123 lb/sy/1in  
 \* MAINTAIN EXISTING CROSS SLOPE (MINIMUM 1/8"/FT)

STATE OF ILLINOIS		US 20		COUNTY		TOTAL SHEETS	
DEPARTMENT OF TRANSPORTATION		TYPICAL SECTIONS		BOONE		84	
SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	JOB NO. C-92-119-09	CONTRACT NO. 64F06	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

# TYPICAL SECTION

STA. 1474+94.1 TO STA. 1478+16.7  
INTERSECTION OF LOGAN AVE. AND US 20



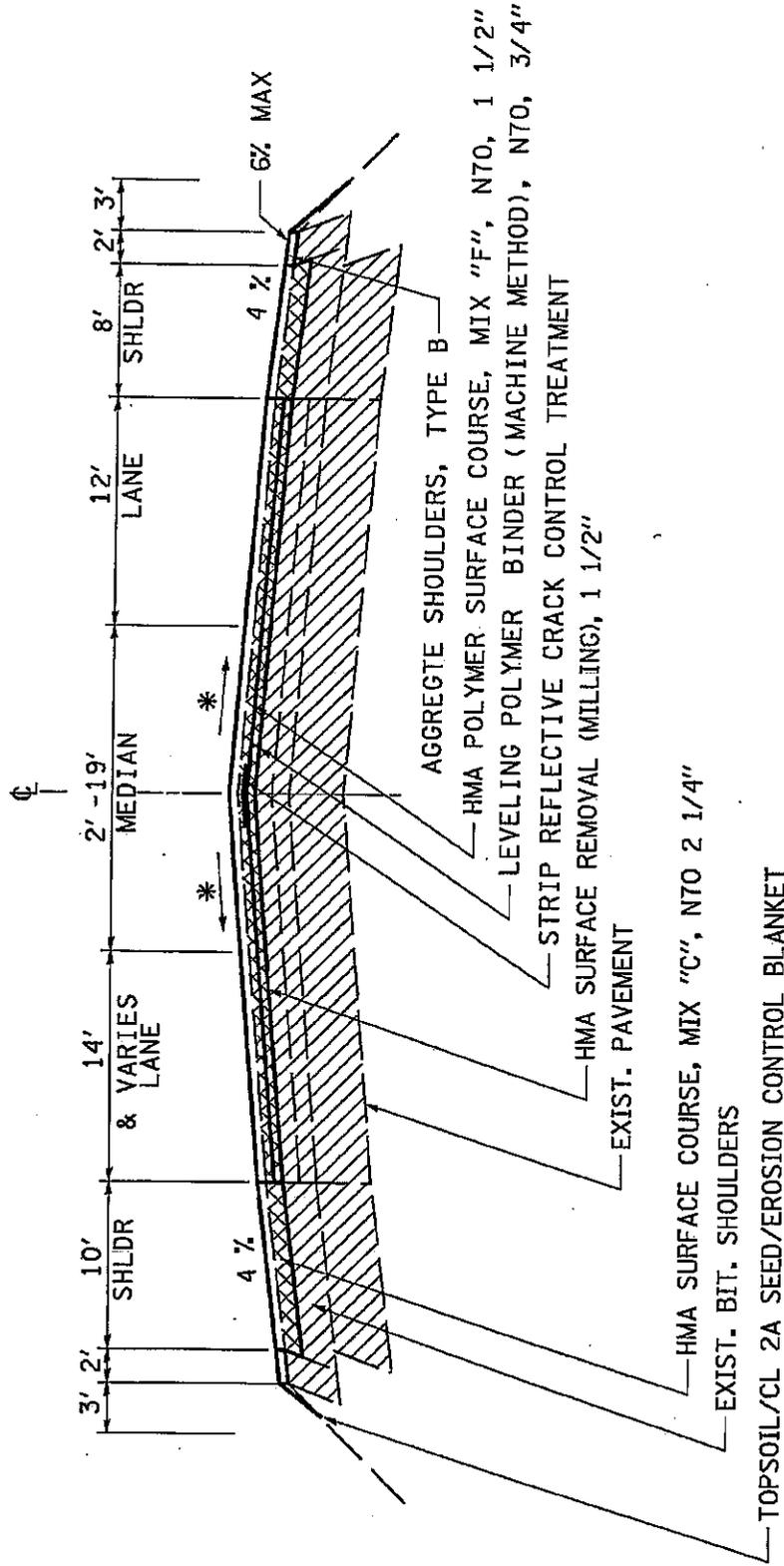
\* MAINTAIN EXISTING CROSS SLOPE (MINIMUM 1/8"/FT) MIX "F" POLYMERIZED SURFACE COURSE.. 123 lb/sy/in  
 MIX "C" SURFACE COURSE..... 112 lb/sy/in  
 POLYMERIZED LEVELING BINDER AND

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		US 20		SECTION		COUNTY		TOTAL SHEET	
SCALE:	SHEET NO. OF	SHEETS	STA.	TO STA.	NO.	NO.	NO.	NO.	NO.
					13,14-D RS-2	BOONE	84	9	
					JOB NO. C-92-119-09		CONTRACT NO. 64F06		
					FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



# TYPICAL SECTION

STA. 1481+85.4 TO STA. 1487+25

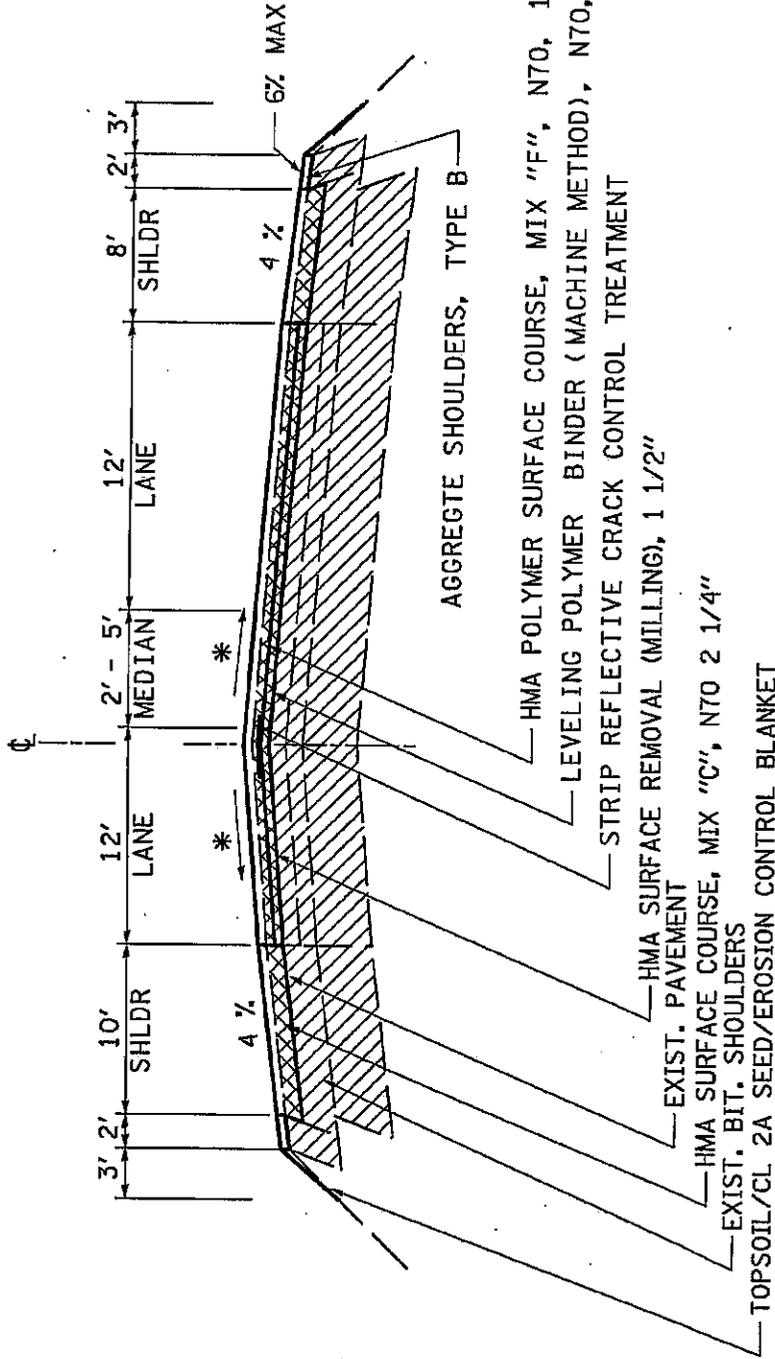


\* MAINTAIN EXISTING CROSS SLOPE (MINIMUM 1/8"/FT) MIX "C" SURFACE COURSE..... 112 lb/sy/ln  
 POLYMERIZED LEVELING BINDER AND  
 MIX "F" POLYMERIZED SURFACE COURSE... 123 lb/sy/ln

STATE OF ILLINOIS		US 20		SECTION		COUNTY		TOTAL SHEETS	
DEPARTMENT OF TRANSPORTATION		TYPICAL SECTIONS		03.44-1) RS-2		BOONE		84	
SCALE:		SHEET NO. OF		JOB NO. C-92-119-09		CONTRACT NO. 64F06		SHEET NO. 11	
		SHEETS   STA.		ILLINOIS FED. AID PROJECT					

# TYPICAL SECTION

STA. 1487+25 TO STA. 1488+99.7  
 (BRIDGE OMISSION STA. 1488+99.7 TO STA. 1494+85)



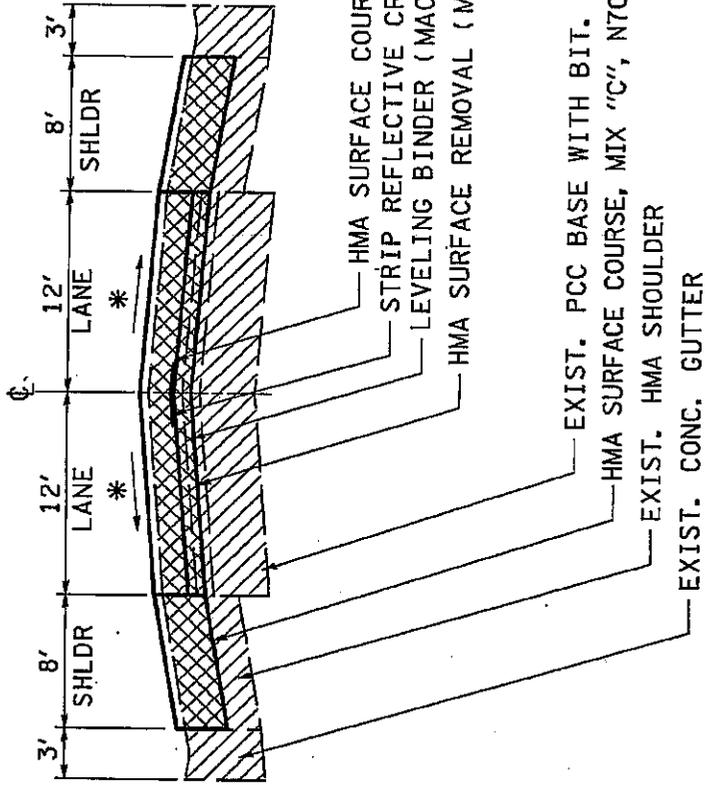
MIX "C" SURFACE COURSE..... 112 lb/sy/in  
 POLYMERIZED LEVELING BINDER AND  
 MIX "F" POLYMERIZED SURFACE COURSE... 123 lb/sy/in

\* MAINTAIN EXISTING CROSS SLOPE (MINIMUM 1/8"/FT)

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		US 20 TYPICAL SECTIONS		COUNTY BOONE		TOTAL SHEET SHEETS NO. 84 12	
SCALE	SHEET NO. OF	SHEETS	STA.	TO STA.	JOB NO. C-92-115-09	CONTRACT NO. 64F06	
					FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT	

### TYPICAL SECTION

STA. 1541+53 TO STA. 1542+30  
 STA. 1682+50 TO STA. 1687+00  
 STA. 1695+47 TO STA. 1700+53



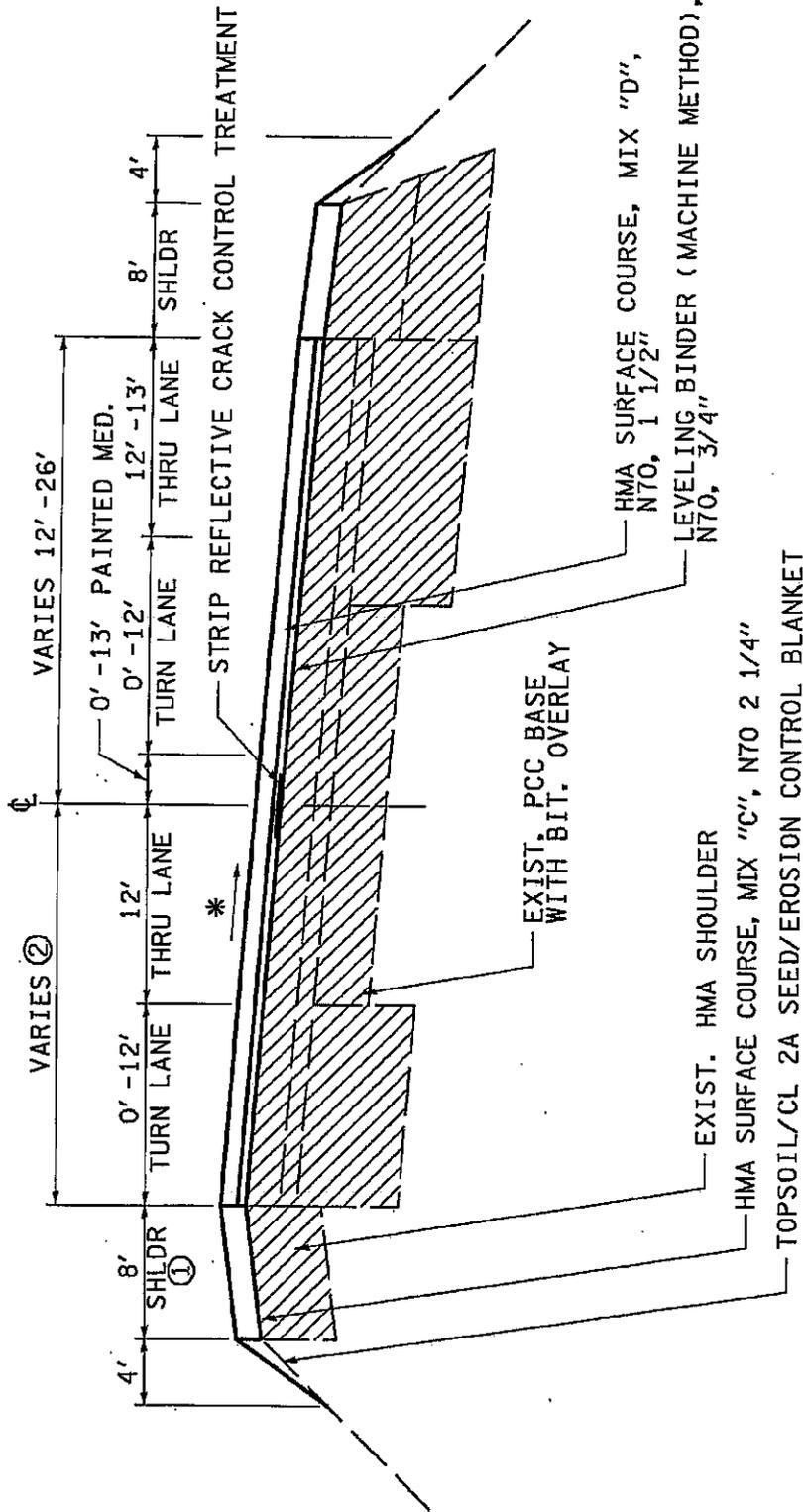
LEVELING BINDER AND MIX "C" AND MIX "D" SURFACE COURSE...112 lb/sy/in  
 \* MAINTAIN EXISTING CROSS SLOPE (MINIMUM 1/8"/FT)

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		US 20		SECTION		COUNTY		TOTAL SHEET	
		TYPICAL SECTIONS		(31.4-1) RS-2		BOONE		NO. 84 13	
SCALE:		SHEET NO. OF SHEETS   STA. TO STA.		JOB NO. C-92-115-09		CONTRACT NO. 64F06		FED. ROAD DIST. NO. ILLINOIS (ED. AID PROJECT)	



# TYPICAL SECTION

STA. 1521+26 TO STA. 1523+55  
 STA. 1527+87 TO STA. 1533+58

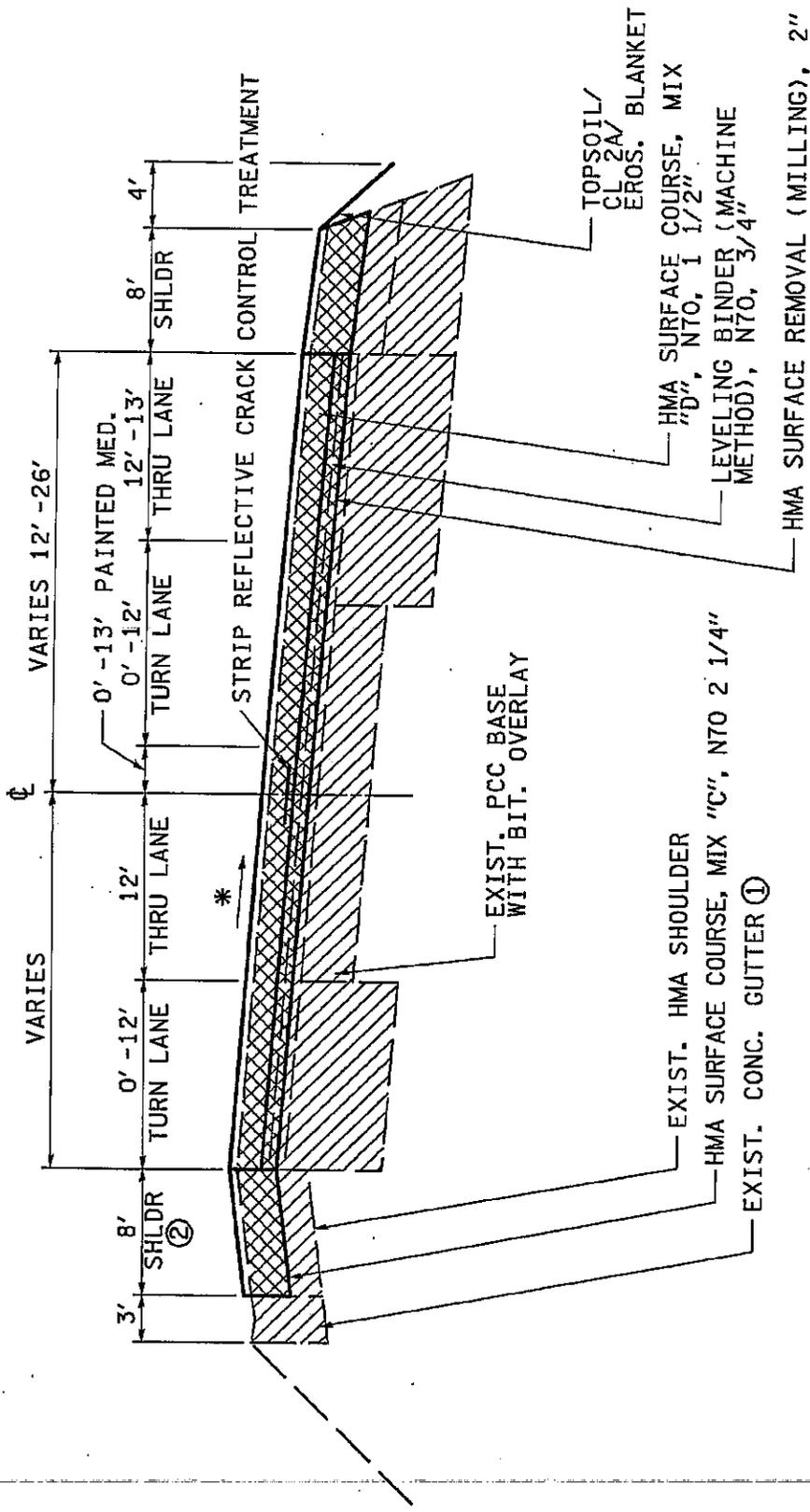


NOTES: ① 4' HMA SHOULDER FROM EPWORTH RD TO STA. 1530+80  
 VARIES 4' TO 8', STA. 1528+76 TO STA. 1529+08  
 ② NORTH EPWORTH ROAD TO END

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		US 20 TYPICAL SECTIONS		SECTION (13.14-1) RS-2		COUNTY BOONE		TOTAL SHEETS 64		SHEET NO. 15	
SCALE:		SHEET NO. OF SHEETS   STA. TO STA.		JOB NO. C-92-115-09		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 64F06		TOTAL SHEETS 64	

# TYPICAL SECTION

STA. 1523+55 TO STA. 1527+87



**NOTES:**

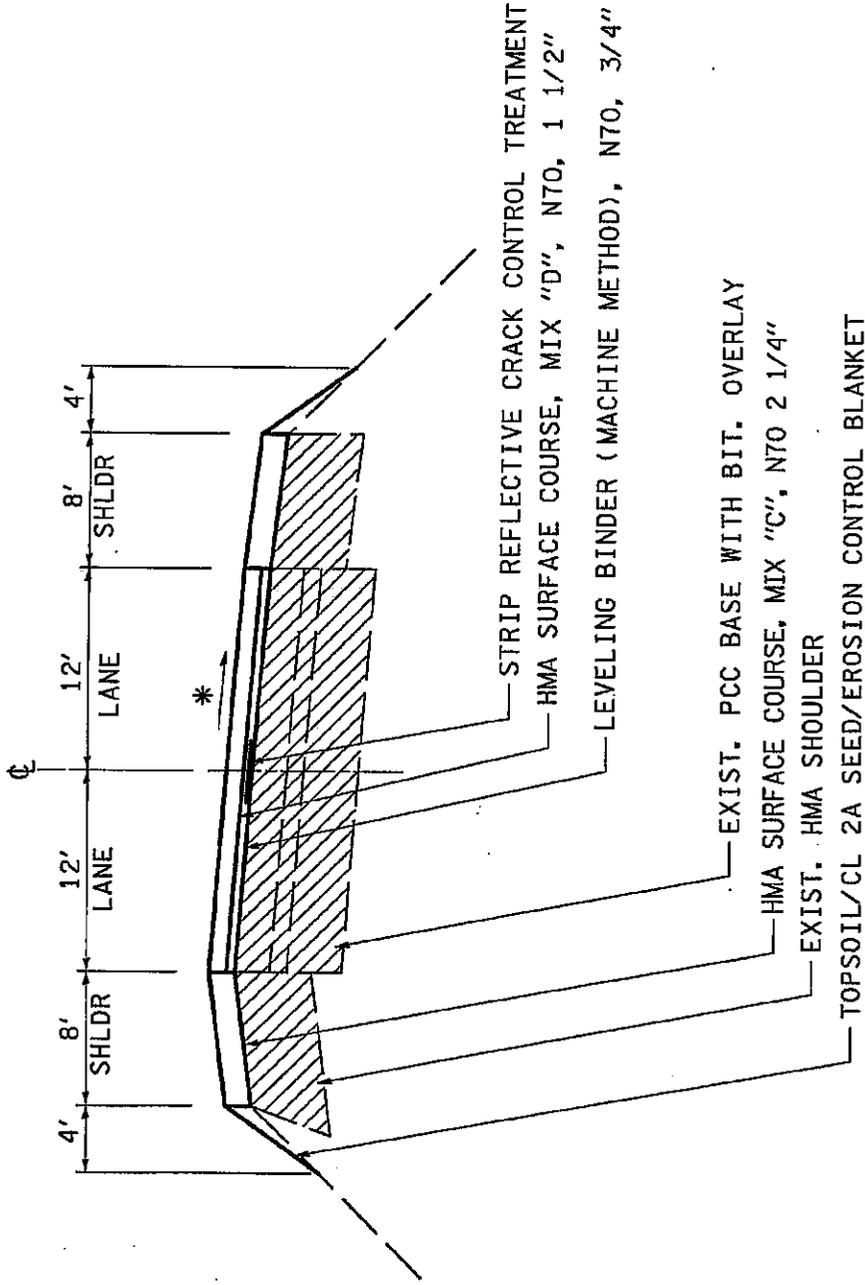
- ① STA. 1523+55 (U.S. ROUTE 20) TO END EPWORTH RD.
- ② VARIES 8' TO 3' STA. 1526+73 TO NORTH END EPWORTH ROAD

LEVELING BINDER AND MIX "C" AND MIX "D" SURFACE COURSE.....112 lb/sy/ln  
 \* MAINTAIN EXISTING CROSS SLOPE

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		US 20 TYPICAL SECTIONS		SHEET NO. OF SHEETS   STA. TO STA.		SCALE:	
FED. ROAD DIST. NO. ILLINOIS		JOB NO. C-92-119-09		COUNTY		TOTAL SHEETS	
SECTION (13,14-1) RS-2		BOONE		84		16	
CONTRACT NO. 64F05		ILLINOIS FED. AID PROJECT		CONTRACT NO. 64F05			

# TYPICAL SECTION

STA. 1545+90.07 TO STA. 1562+63  
 STA. 1585+73.42 TO STA. 1589+00

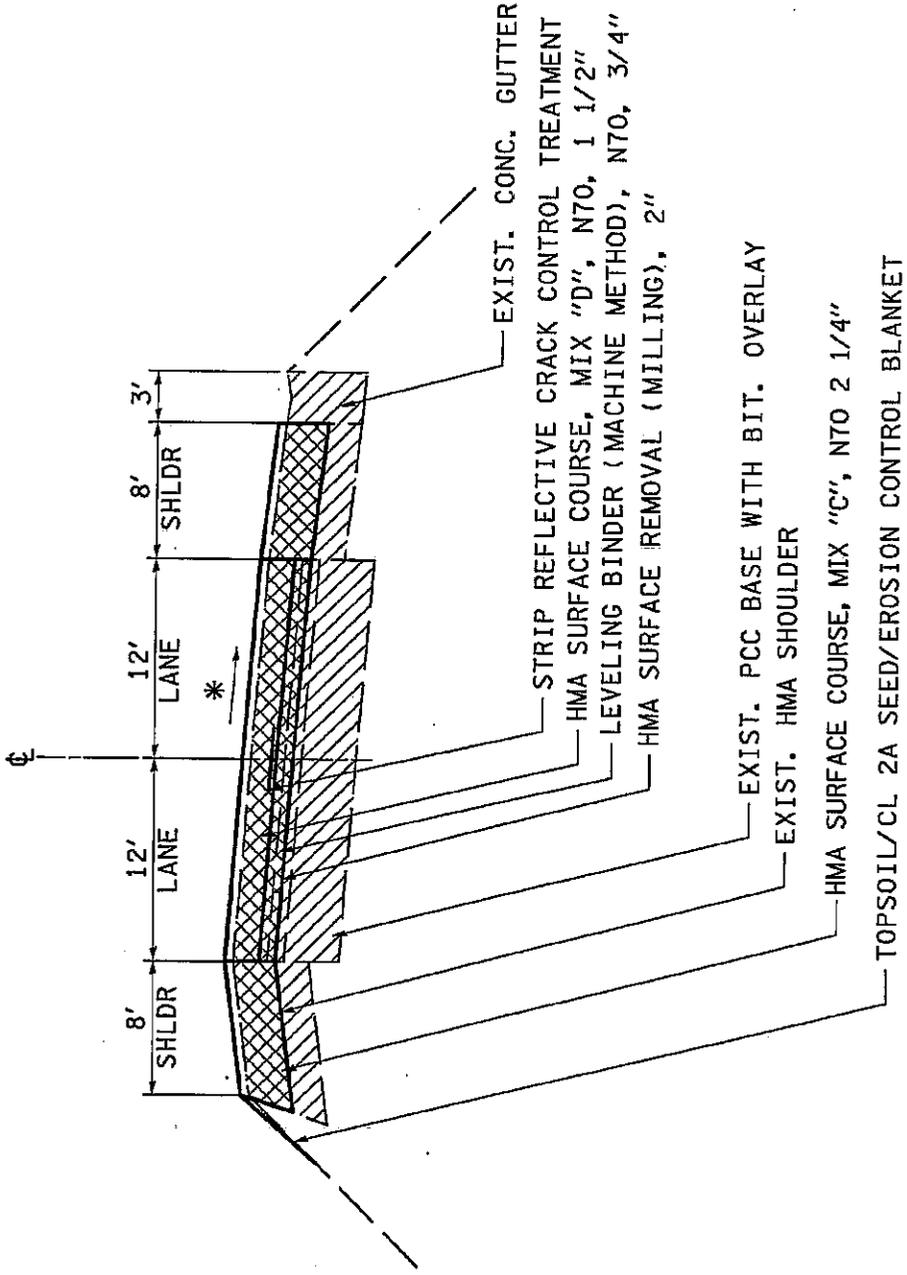


\* MAINTAIN EXISTING CROSS SLOPE (MINIMUM 1/8"/FT)      LEVELING BINDER AND MIX "C" AND MIX "D" SURFACE COURSE.....112 lb/sy/in

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		US 20		SECTION		COUNTY		TOTAL SHEET NO.	
SCALE:		SHEET NO. OF		TYPICAL SECTIONS		BOONE		84	
SHEET NO. OF		SHEETS		JOB NO. C-92-19-09		ILLINOIS FED. AID PROJECT		IT	
SHEET NO. OF		SHEETS		CONTRACT NO. 64F05					

# TYPICAL SECTION

STA. 1562+63 TO STA. 1567+00

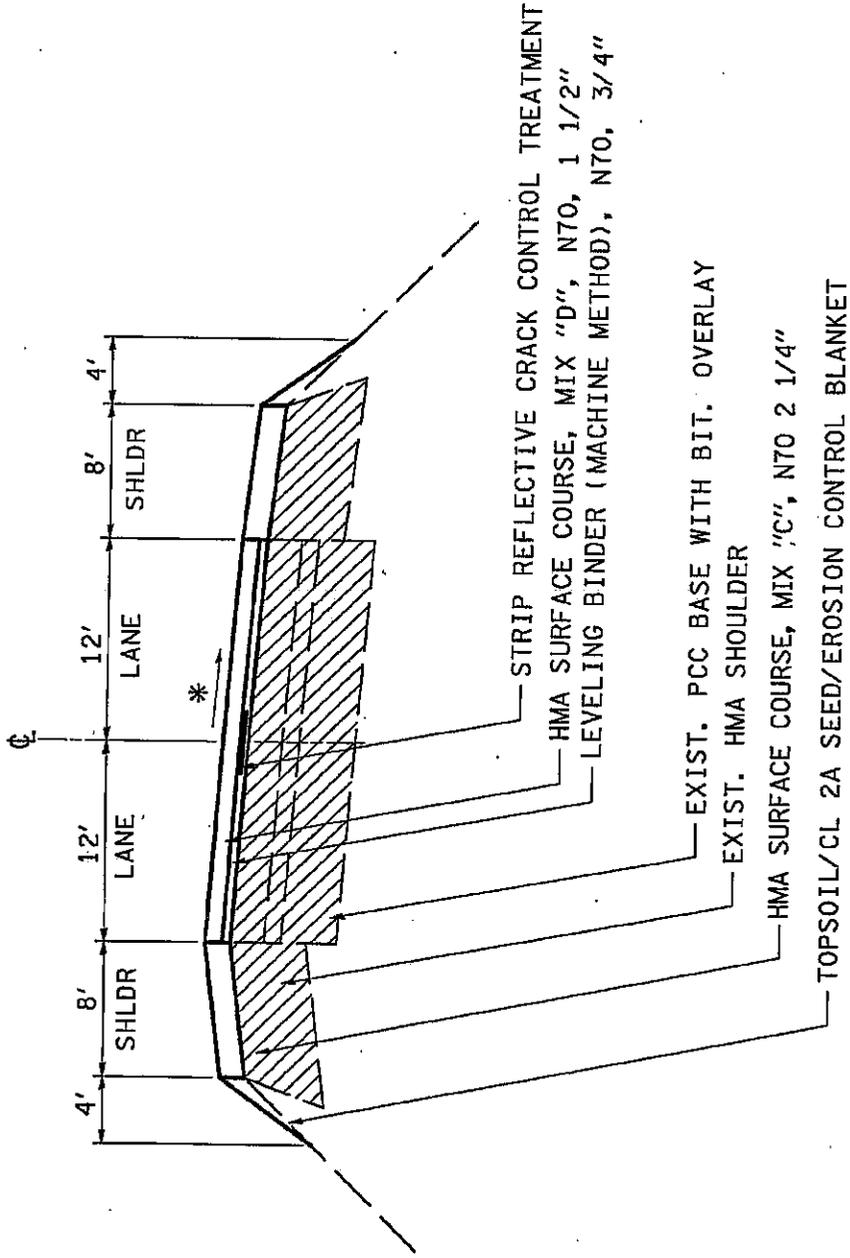


\* MAINTAIN EXISTING CROSS SLOPE (MINIMUM 1/8"/FT) LEVELING BINDER AND MIX "C" AND MIX "D" SURFACE COURSE.....112 lb/sy/in

STATE OF ILLINOIS		US 20		SECTION		COUNTY		TOTAL SHEETS	
DEPARTMENT OF TRANSPORTATION		TYPICAL SECTIONS		43,14-D RS-2		BOONE		84	
SCALE:		SHEET NO. OF SHEETS STA. TO STA.		JOB NO. C-92-119-09		CONTRACT NO.		64F06	
				FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT			

# TYPICAL SECTION

STA. 1589+00 TO STA. 1589+35  
 STA. 1595+50 TO STA. 1599+75

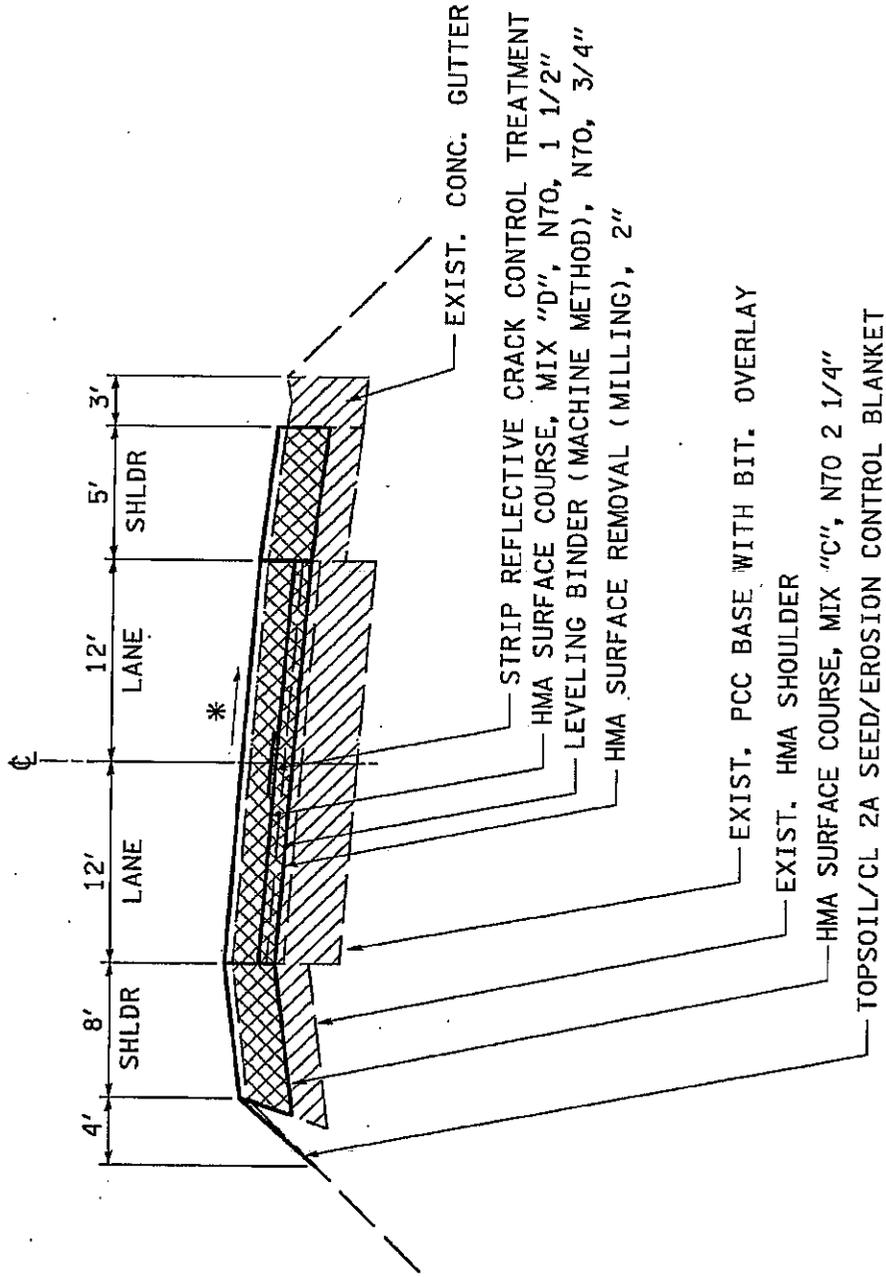


\* MAINTAIN EXISTING CROSS SLOPE (MINIMUM 1/8"/FT) LEVELING BINDER AND MIX "C" AND MIX "D" SURFACE COURSE..... 112 lb/sy/in.

STATE OF ILLINOIS		US 20		SECTION		COUNTY		TOTAL SHEET	
DEPARTMENT OF TRANSPORTATION		TYPICAL SECTIONS		03,4-U R5-2		BOONE		SHEETS NO.	
SCALE:		SHEET NO. OF SHEETS		JOB NO. C-92-119-09		CONTRACT NO.		84 19	
		STA. TO STA.		ILLINOIS FED. AID PROJECT		CONTRACT NO.		6406	

# TYPICAL SECTION

STA. 1589+35 TO STA. 1595+50

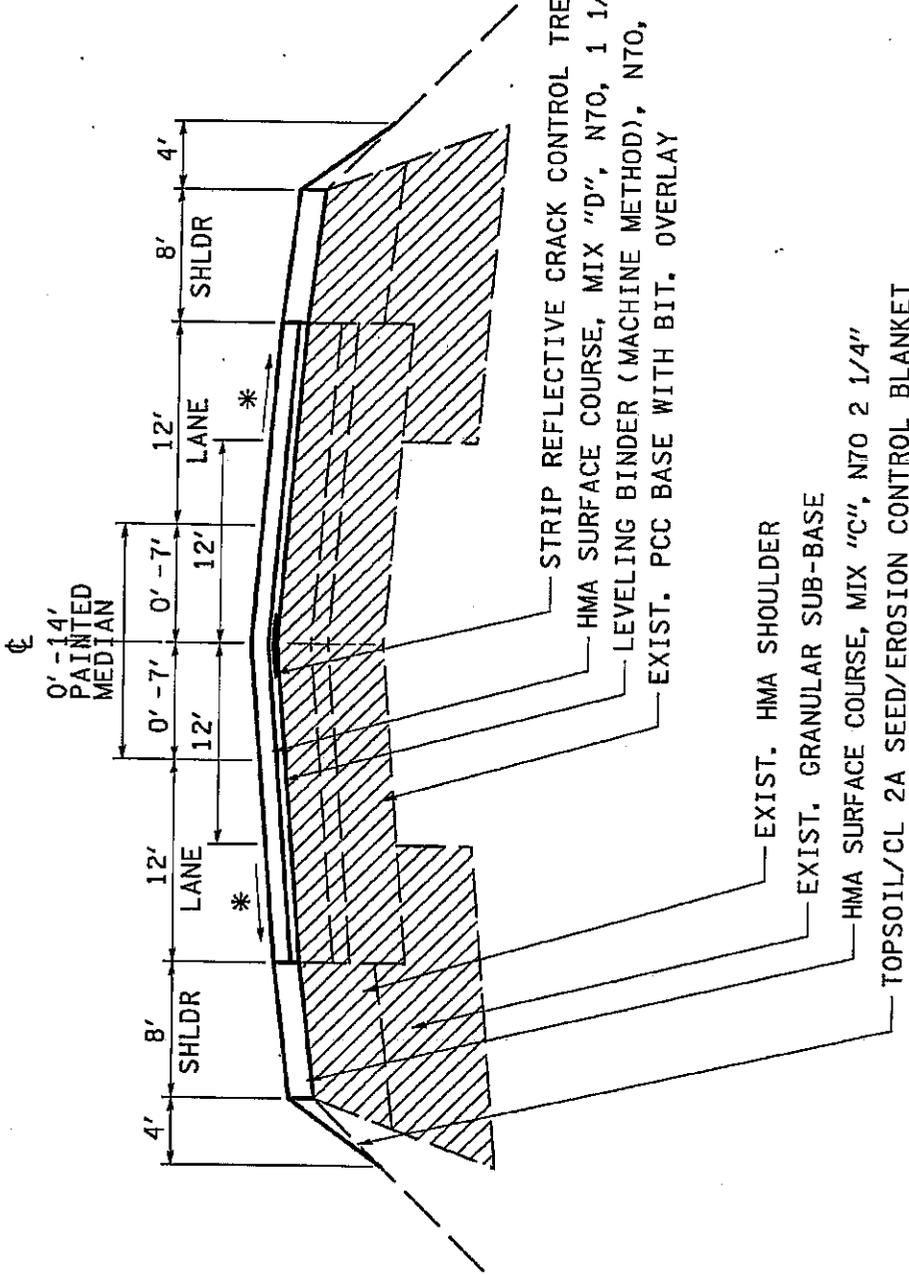


\* MAINTAIN EXISTING CROSS SLOPE (MINIMUM 1/8"/FT) LEVELING BINDER AND MIX "C" AND MIX "D" SURFACE COURSE..... 112 lb/sy/in

STATE OF ILLINOIS		US 20		COUNTY		TOTAL SHEETS		SHEET NO.	
DEPARTMENT OF TRANSPORTATION		TYPICAL SECTIONS		BOONE		84		20	
SCALE:		SHEET NO. OF SHEETS		JOB NO. C-92-119-09		CONTRACT NO.		64F06	
		STAL TO STA.		ILLINOIS FED. AID PROJECT					

# TYPICAL SECTION

STA. 1632+00 TO STA. 1635+00  
 STA. 1680+00 TO STA. 1683+00



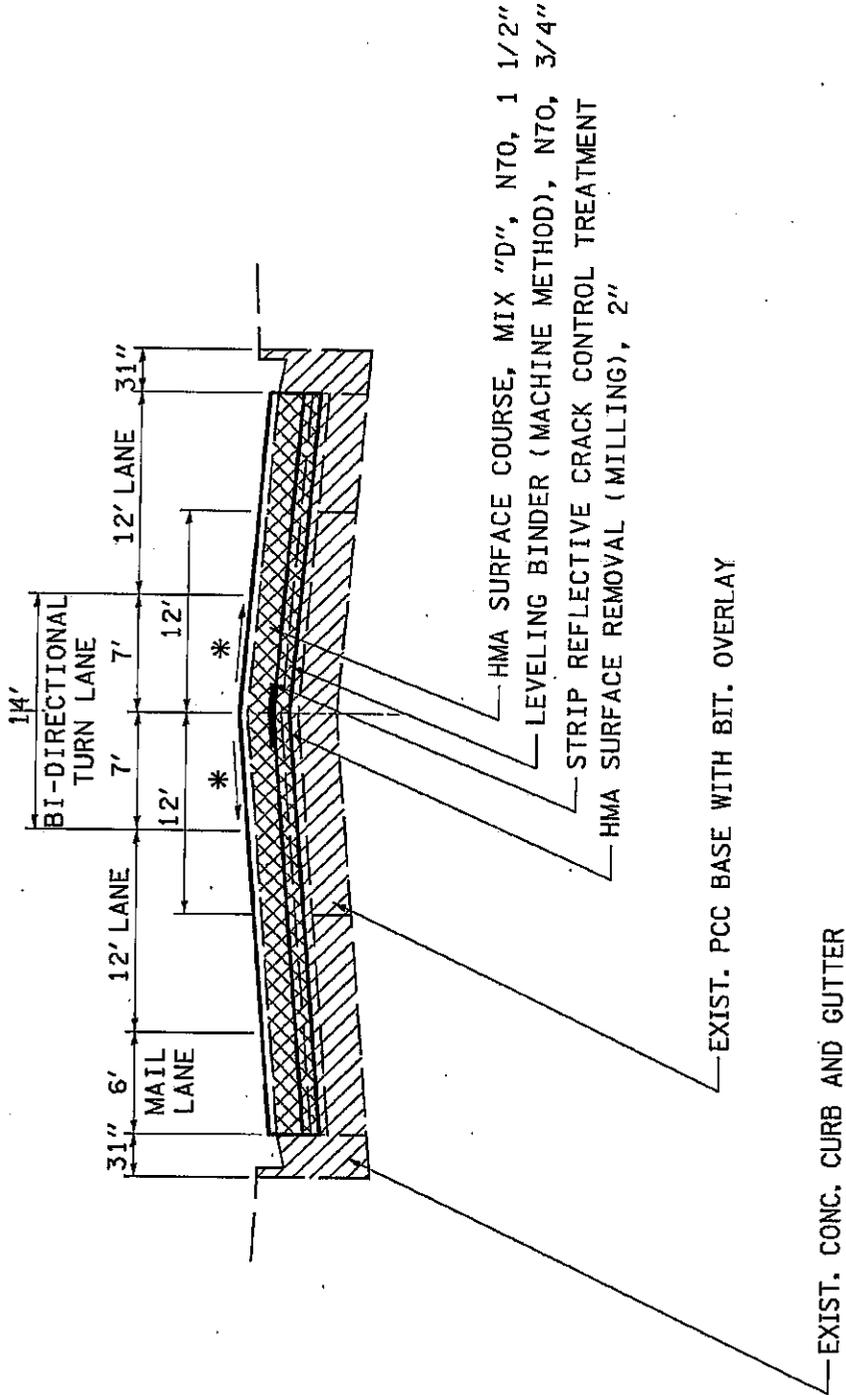
\* MAINTAIN EXISTING CROSS SLOPE ( MINIMUM 1/8"/FT)      LEVELING BINDER AND MIX "C" AND MIX "D" SURFACE COURSE..... 112 lb/sy/ln

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		US 20		SECTION		TOTAL SHEET	
SCALER	SHEET NO. OF	SHEETS	SECTION	NO.	COUNTY	SHEETS	NO.
	TO STA.		1534-1	RS-2	BOONE	84	21
			JOB NO. C-92-115-09		CONTRACT NO. 64F05		
			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

# TYPICAL SECTION

STA. 1635+00 TO STA. 1636+75

☉



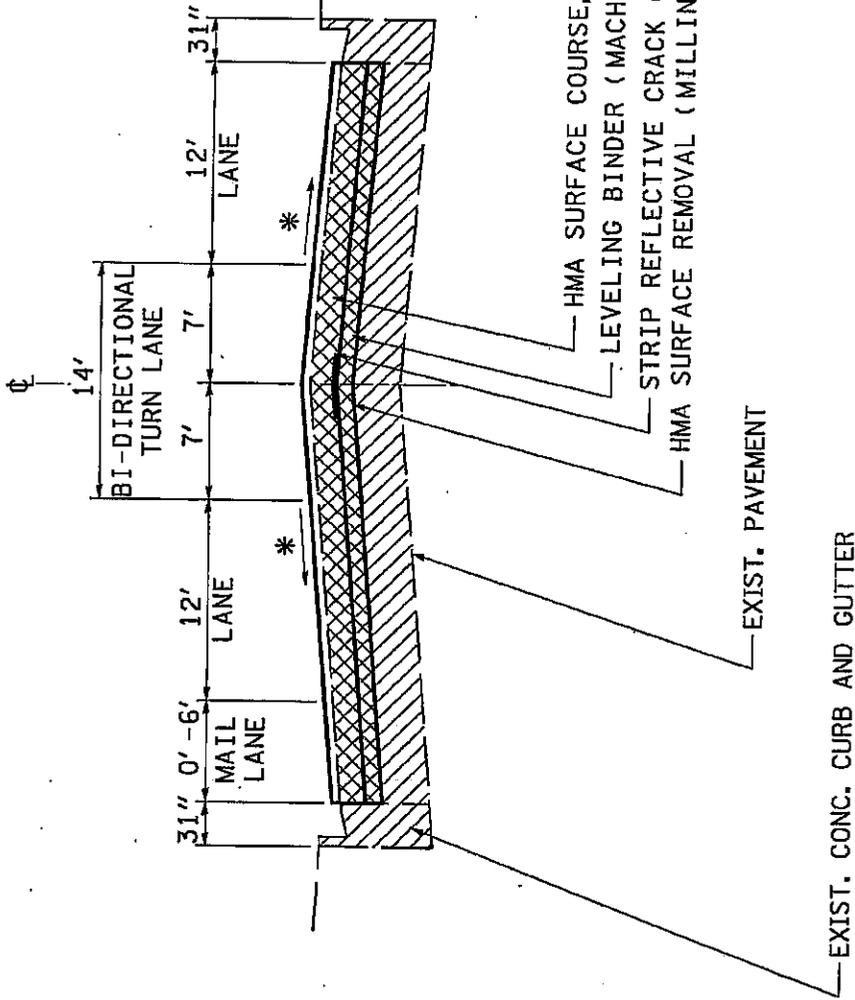
LEVELING BINDER AND MIX "D" SURFACE COURSE... 112 lb/sy/in

\* MAINTAIN EXISTING CROSS SLOPE (MINIMUM 1/8"/FT)

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		US 20		SECTION		COUNTY		TOTAL SHEET	
SCALE:		SHEET NO. OF		TYPICAL SECTIONS		BOONE		SHEETS	
SHEET NO. OF		SHEETS		JOB NO. C-92-115-09		CONTRACT NO. 64F06		NO. 84 22	
SHEET NO. OF		SHEETS		FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		NO. 84 22	
SHEET NO. OF		SHEETS		TO STA.		TO STA.		NO. 64F06	

# TYPICAL SECTION

STA. 1636+75 TO STA. 1644+26  
 STA. 1650+69 TO STA. 1680+00



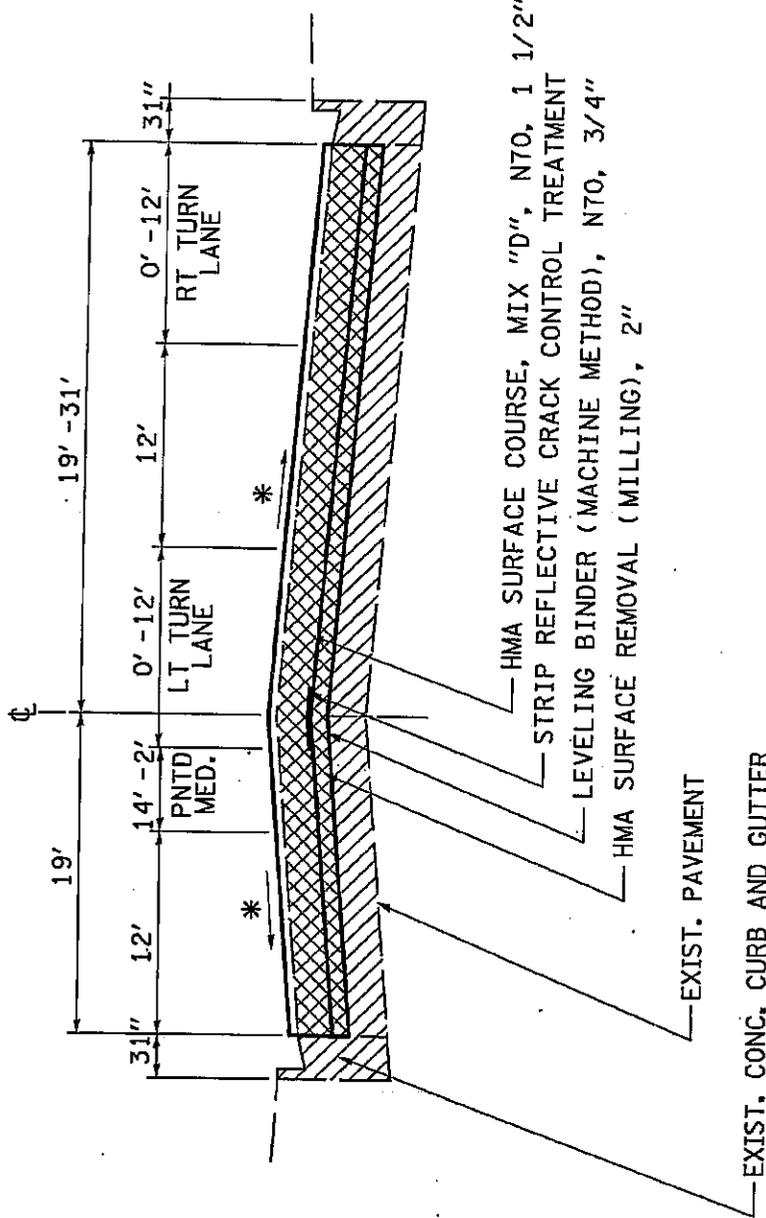
LEVELING BINDER AND  
 MIX "D" SURFACE COURSE... 112 lb/sy/in

\* MAINTAIN EXISTING CROSS SLOPE (MINIMUM 1/8"/FT)

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		US 20		SECTION		COUNTY		TOTAL SHEETS		
SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	13,14-1	RS-2	BOONE	04	23
				TYPICAL SECTIONS		JOB NO. C-92-119-09		CONTRACT NO. 64F06		
						ILLINOIS FED. AID PROJECT				

# TYPICAL SECTION

STA. 1644+26 TO STA. 1647+53

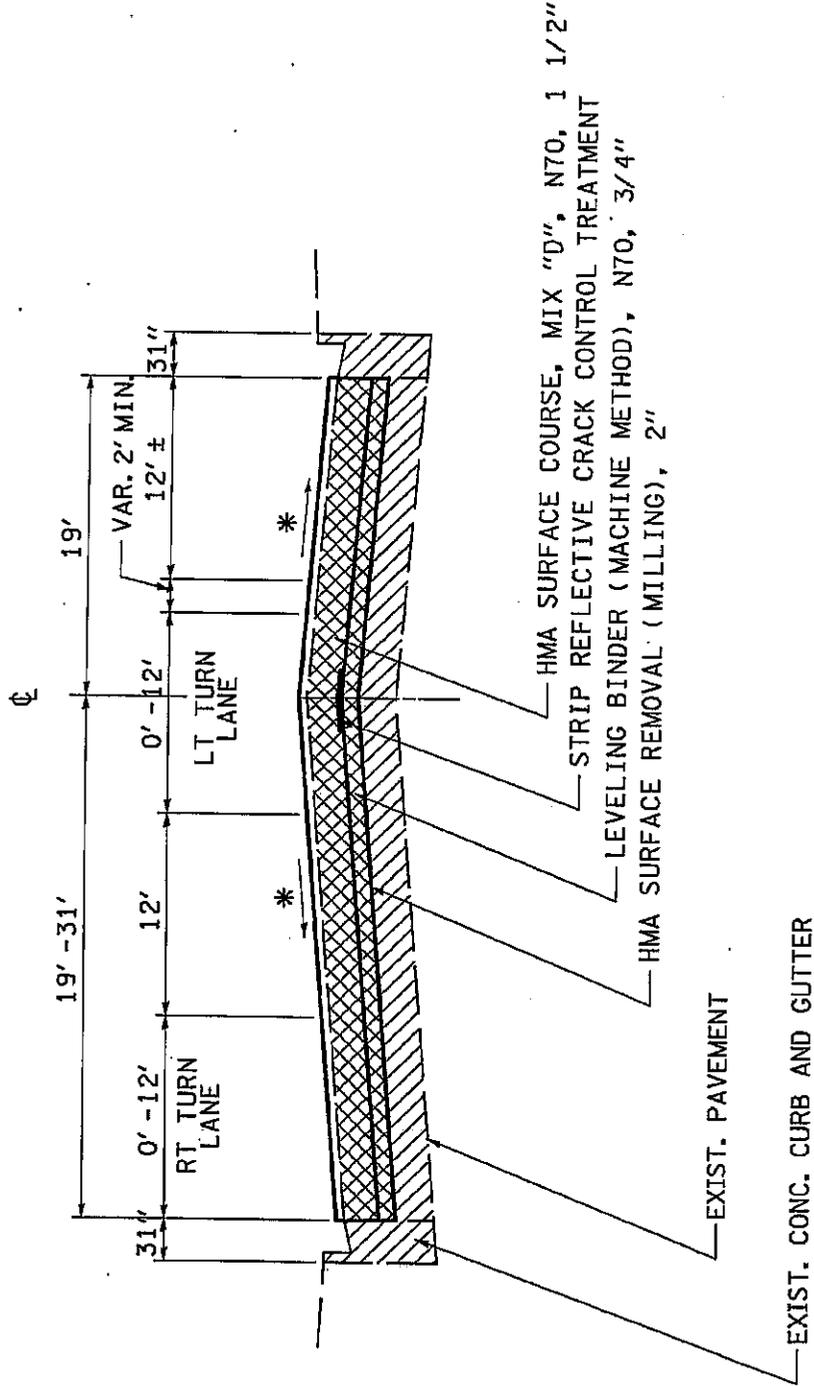


\* MAINTAIN EXISTING CROSS SLOPE (MINIMUM 1/8"/FT) LEVELING BINDER AND MIX "D" SURFACE COURSE... 112 lb/sy/ln

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		US 20		SECTION		COUNTY		TOTAL SHEETS	
SCALE:		TYPICAL SECTIONS		03, (4-1) RS-2		BOONE		SHEETS	
SHEET NO. OF		SHEETS		JOB NO. C-92-119-09		CONTRACT NO.		84	
TO STA.		TO STA.		ILLINOIS FED. AID PROJECT		64F06		84	

# TYPICAL SECTION

STA. 1647+53 TO STA. 1650+69



\* MAINTAIN EXISTING CROSS SLOPE (MINIMUM 1/8"/FT)

LEVELING BINDER AND MIX "D" SURFACE COURSE... 112 lb/sy/in

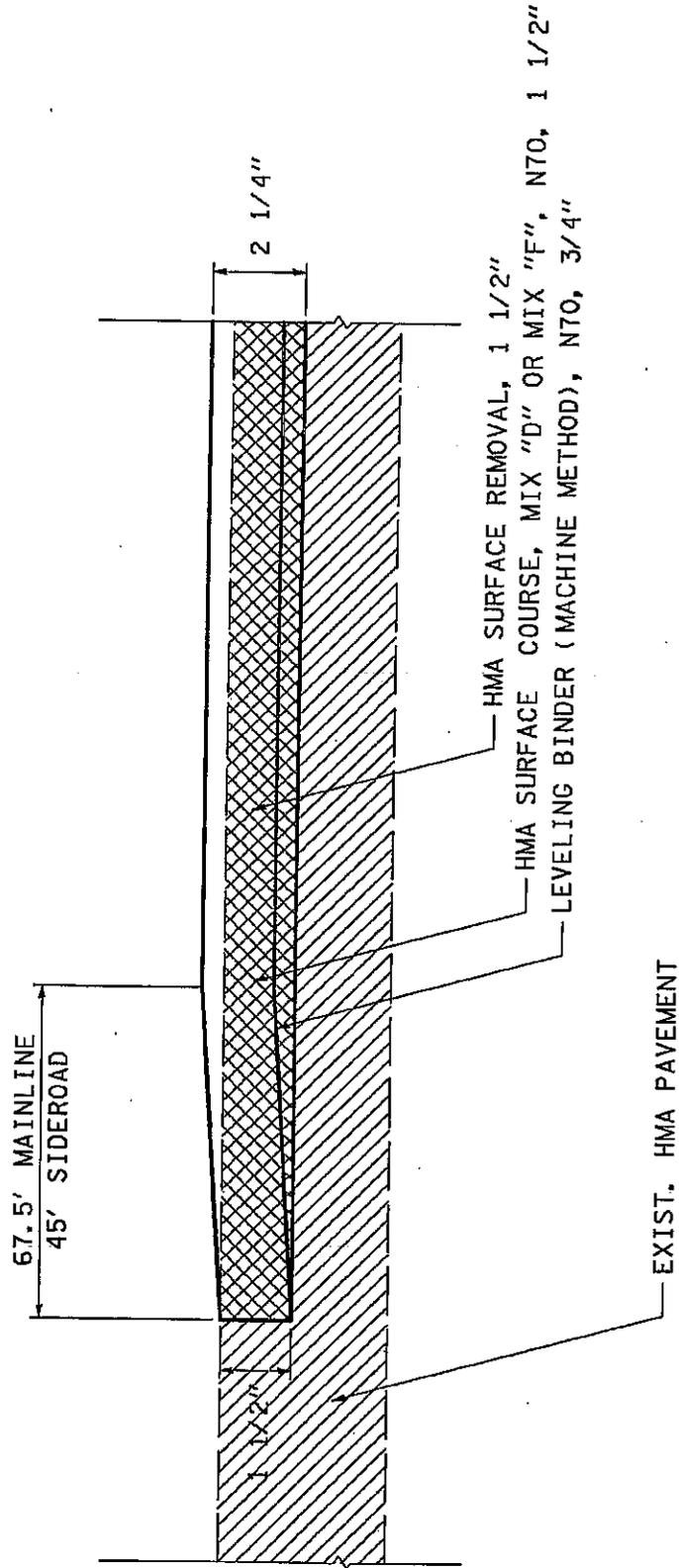
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		US 20 TYPICAL SECTIONS		F.A.P. CITY SECTION COUNTY TOTAL SHEETS SHEET NO.	
SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	0314-D RS-2	BOONE 64 25
			JOB NO. C-92-19-03 CONTRACT NO. 64F06		
			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		





# TYPICAL SECTION MILLING DETAIL

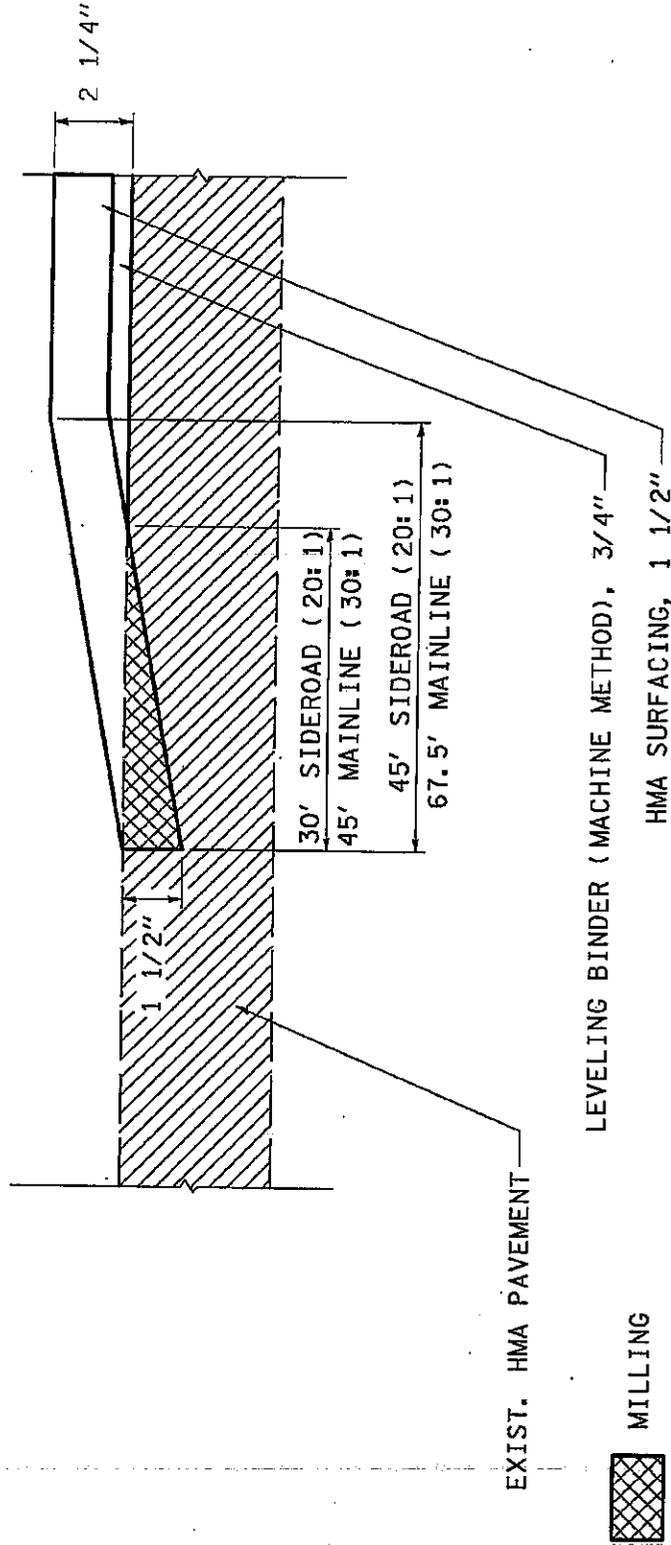
US 20 MILLING LIMITS AND SIDEROADS  
WITH CURB AND GUTTERS



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		US 20		TOTAL SHEETS	
		TYPICAL SECTIONS		84	
SCALE: _____		SHEET NO. _____ OF _____ SHEETS		COUNTY	
TO STA. _____		FROM STA. _____		BOONE	
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		CONTRACT NO. 64F06	
JOB NO. C-92-119-09		SECTION		SHEET NO.	
1314-D RS-2		1314-D RS-2		28	

# TYPICAL SECTION BUTT JOINT DETAIL

MAINLINE OR SIDEROAD (NO CURB)



EXIST. HMA PAVEMENT

MILLING

LEVELING BINDER (MACHINE METHOD), 3/4"

HMA SURFACING, 1 1/2"

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

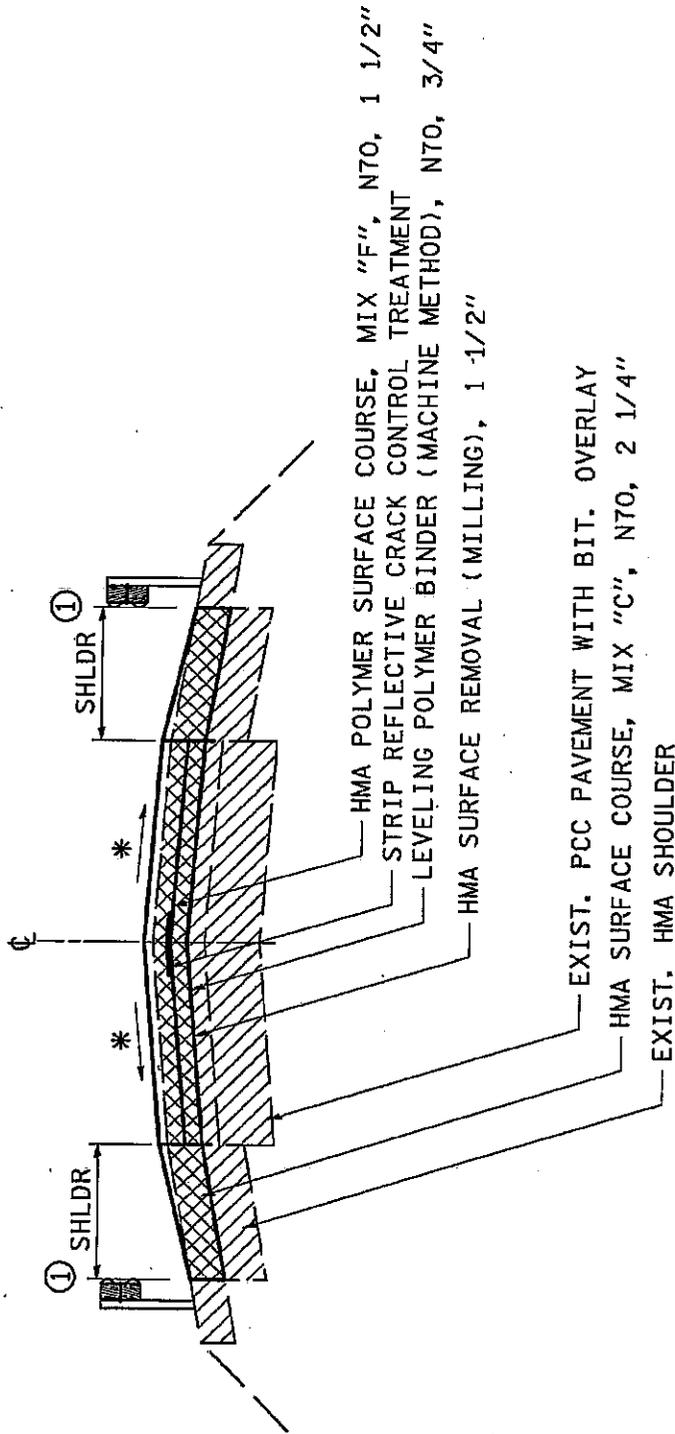
US 20  
TYPICAL SECTIONS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	US 20 RS-2	BOONE	84	29
JOB NO. C-92-115-09		CONTRACT NO. 64F06		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

# TYPICAL SECTION AT GUARDRAILS

STA. 1487+15 TO STA. 1489+00



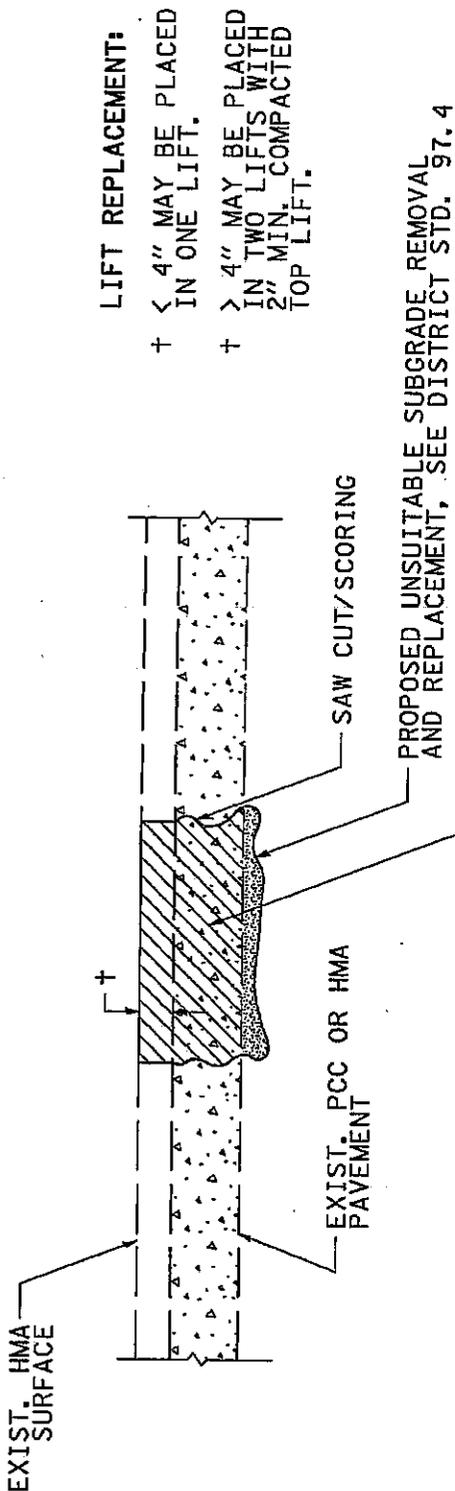
NOTES: ① LIMIT OF MILLING ALONG GUARDRAIL SHALL BE AS CLOSE TO GUARDRAIL FACE AS POSSIBLE.

\* MAINTAIN EXISTING CROSS SLOPE (MINIMUM 1/8"/FT)

MIX "C" SURFACE COURSE POLYMERIZED LEVELING BINDER AND MIX "F" POLYMERIZED SURFACE COURSE.. 112 lb/sy/in

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		US 20		SECTION		COUNTY		TOTAL SHEET	
SCALE:		SHEET NO. OF		TYPICAL SECTIONS		BOONE		SHEETS	
SHEETS		STA.		TO STA.		JOB NO. C-92-119-09		84	
CONTRACT NO. 64F06		FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		CONTRACT NO. 64F06		90	

# TYPICAL SECTION PAVEMENT PATCHING - FULL DEPTH



**SEQUENCE OF CONSTRUCTION:**

1. REMOVE THE EXISTING HMA SURFACE.
2. RESIDENT ENGINEER WITH DETERMINE IF LOCATION IS TO BE PATCHED OR TO ONLY REPLACE HMA SURFACE.
3. REMOVE AND REPLACE FULL DEPTH PATCHES AT LOCATIONS DIRECTED BY THE ENGINEER.
4. REPLACE WITH FULL DEPTH PATCHES.

**GENERAL NOTES:**

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12" WIDER ON EACH SIDE OF THE TRENCH.
2. FOR BASIS OF PAYMENT: PAVEMENT PATCHING OF THE THICKNESS SPECIFIED.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		US 20		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		TYPICAL SECTIONS	OF				
SCALE:		SHEET NO.	OF	SHEETS	STA.	TO STA.	
		F.A.P. SITE #	525	03/4-D RS-2	BOONE	84	31
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO.	64F06	

### GENERAL NOTES

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches.

When laying out for patching, the minimum distance between new patches (saw cut to saw cut) shall be 4.6 m (15 feet). When patch spacing is less than 4.6 m (15 feet), the pavement between patches shall also be removed and replaced.

The minimum patch dimension for full-depth patches will be 1.2 m (four feet) and half-lane width. Half-lane patches shall be confined to the outside edges of the pavement.

The existing hot-mix asphalt on private and commercial entrances shall be bladed off or milled and disposed of outside the project limits. This could be the entire entrance or tapered at the end depending on if the mainline is resurfaced or milled and resurfaced. The cost of the blading, milling, rolling, and disposal is included in the contract unit price for INCIDENTAL HOT-MIX ASPHALT SURFACING.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Surface Course West of Bridge	Surface Course East of Bridge	Top Shoulder
PG:	SBS PG 70-22	PG 64-22	PG 58-22
Design Air Voids	4% @ N70	4% @ N70	4% @ N70
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5	IL 9.5 or 12.5	IL 9.5 or 12.5
Friction Aggregate	F	D	C
20 Year ESAL	6.0	6.0	6.0
Mix Unit Weight	123 lbs/sy/in	112 lbs/sy/in	112 lbs/sy/in

Mixture Uses(s):	Leveling Binder	Patches
PG:	PG 64-22	PG 64-22
Design Air Voids	4% @ N70	4% @ N70
Mixture Composition (Gradation Mixture)	IL 9.5	IL 19
Friction Aggregate		
20 Year ESAL		
Mix Unit Weight	112 lbs/sy/in	112 lbs/sy/in

The Contractor shall place temporary hot-mix asphalt tapers along all sides of the utility structures protruding above the milled surface. The temporary tapers shall extend 2' outside of the castings, except for the approach side to traffic shall have a 4' taper length. Hot-mix asphalt meeting the approval of the Engineer shall be used, no cold millings will be allowed. The cost of the material, placement, maintenance, removal and disposal of said work will be included in the Pay Item for Hot-Mix Asphalt Surface Removal.

The Engineer shall determine if adjusting manhole frames will be required.

The Contractor will be required to furnish 140 mm (5 1/2") high brass stencils as approved by the Engineer and install stationing at 250' intervals. Stationing shall be placed on both lanes of 2-lane highways and on the outside lanes in both directions on 4-lane highways. The stations shall be placed 150 mm (6") inside the pavement marking edge so they can be read from the shoulder. This work will be included in the cost of the final pavement surface.

The area to be primed shall be limited to that which can be covered with HMA the same day, unless otherwise permitted by the Engineer.

Reflective Crack Control shall be placed on the existing surface prior to any resurfacing, unless pavement is milled then it will be placed on the binder course.

To help avoid excess drop offs at the edge of pavement, the existing aggregate wedge or shoulder is to be pulled up and rolled to match the edge of pavement before placing any bituminous material. All costs associated with pulling up the shoulders shall be considered included in the contract unit price per TON for HOT-MIX ASPHALT SURFACE COURSE of the type specified.

Install rumble strips in all shoulders in accordance with State Standard 642001. Rumble Strips shall be placed on shoulders on both sides of the pavement.

If, during the grinding or resurfacing operations, the existing mailboxes become a hindrance, the Contractor shall be required to carefully remove and reinstall the mailboxes as directed by the Engineer. This work shall be included in the contract unit price for the INCIDENTAL HOT-MIX ASPHALT SURFACING.

Delineators shall be installed as shown in Standard 635001; except that the post shall be rotated 180° and only metal-backed delineators shall be permitted.

Delineators shall be placed at the ends of approach guardrail terminal sections, and at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.

Pavement Marking shall be done according to Standard 780001, except as follows:

1. All words, such as ONLY, shall be 2.4 m (8 feet) high.
2. All non-freeway arrows shall be the large size.
3. The distance between yellow no-passing lines shall be 200 mm (8"), not 180 mm (7") as shown in the detail of Typical Lane and Edge Lines.

#### Detector Loop, Special

1. Seven (7) days prior to any work that may affect the operation of the Detector Loops, and for signal timing adjustments to be made for the construction period, notice shall be given to Scott Kullerstrand at the Illinois Department of Transportation, District 2 (815/284-5468).
2. Each Detector Loop shall have an individual conduit stub.
3. The Detector Loop Cable, from the end of the saw cut to the splice in the handhole, shall be considered included in the cost of the Detector Loop.

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

AT&T  
Verizon North  
NICOR Gas Co.  
Mediacom  
City of Belvidere

Commonwealth Edison Co.  
Enbridge Energy  
Natural Gas Pipeline  
Adesta

It shall be the Contractor's responsibility to contact the municipality to determine approved methods of utility structure adjustment. Utility structures may include, but are not limited to, manholes, water valves, handholes, etc. All materials and work necessary to complete adjustments per municipality requirements shall be considered included in the cost of the associated adjustment pay item.

**SCHEDULE OF QUANTITIES**

**21101600 TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH**

<u>SQ YD</u>	<u>LOCATION</u>
2,085	1412+86.33 - 1475+41.00
2,085	1412+86.33 - 1475+41.00
394	1477+16.78 - 1488+99.65
394	1477+16.78 - 1488+99.65
43	10+36.00 - 11+65.00 EPWORTH EAST
880	1494+85.00 - 1521+26.00 US 20 NORTH
880	1494+85.00 - 1521+26.00 US 20 SOUTH
961	1494+85.00 - 1523+66.65 US 20 NORTH
1,527	1494+85.00 - 1540+65.00 US 20 SOUTH
3,540	1528+81.00 - 1635+00.00 US 20 NORTH
714	1541+21.00 - 1562+64.00 US 20 SOUTH
712	1567+00.00 - 1588+35.00 US 20 SOUTH
1,339	1595+50.00 - 1635+66.00 US 20 SOUTH
516	1680+00.00 - 1695+47.00 US 20 NORTH
767	1680+00.00 - 1703+00.00 US 20 SOUTH
82	1700+55.00 - 1703+00.00 US 20 NORTH
55	2941+23.78 - 2942+87.78 SHATTUCK WEST
55	2941+23.78 - 2942+87.78 SHATTUCK EAST
55	2953+64.95 - 2955+29.95 LOGAN WEST
55	2953+64.95 - 2955+29.95 LOGAN EAST
<b>17,139</b>	<b>TOTAL</b>

**25000210 SEEDING, CLASS 2A**

<u>ACRE</u>	<u>LOCATION</u>
3.5	SAME LOCATIONS AS TOPSOIL
<b>3.5</b>	<b>TOTAL</b>

**25000400 NITROGEN FERTILIZER NUTRIENT**

<u>POUND</u>	<u>LOCATION</u>
319	SAME LOCATIONS AS SEEDING CLASS 2A
<b>319</b>	<b>TOTAL</b>

**25000500 PHOSPHORUS FERTILIZER NUTRIENT**

<u>POUND</u>	<u>LOCATION</u>
319	SAME LOCATIONS AS SEEDING CLASS 2A
<b>319</b>	<b>TOTAL</b>

## SCHEDULE OF QUANTITIES

### 25000600 POTASSIUM FERTILIZER NUTRIENT

POUND

319 SAME LOCATIONS AS SEEDING CLASS 2A  
319 TOTAL

### 25100630 EROSION CONTROL BLANKET

SQ YD

17,139 SAME LOCATIONS AS SEEDING CLASS 2A  
17,139 TOTAL

### 28000255 TEMPORARY EROSION CONTROL SEEDING

<u>ACRE</u>	<u>LOCATION</u>	<u>WEEKS</u>
SAME LOCATIONS AS SEEDING CLASS 2A		
SEEDING = 100 POUND/ACRE * WEEKS		
1,434.0	Urban	14
3,523.0	Rural	14
<u>4,957 TOTAL</u>		

### 40600982 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

SQ YD    LOCATION  
 Project limits & sideroads

220	1412+86.33 -	1413+31.33 US 20
200	1494+85.00 -	1495+30.00 US 20
<u>420 Urban Subtotal</u>		

80	1541+10.00 -	1541+10.00 SPRING RD
80	1650+81.59 -	1650+81.59 CLARENCE ST
80	1654+10.50 -	1654+10.50 PLEASANT ST - NORTH LEG
80	1654+10.50 -	1654+10.50 PLEASANT ST - SOUTH LEG
80	1654+10.50 -	1654+10.50 PRAIRIE ST - NORTH LEG
80	1654+10.50 -	1654+10.50 PRAIRIE ST - SOUTH LEG
80	1660+72.96 -	1660+72.96 EAST ST
80	1663+94.28 -	1663+94.28 STATION ST
80	1701+06.64 -	1701+06.64 COUNTY LINE RD
200	1702+55.00 -	1703+00.00 US 20
<u>920 Rural Subtotal</u>		

1,340 TOTAL



**SCHEDULE OF QUANTITIES**

327	1644+26.00	-	1647+53.00	US 20 EB Left Turn
297	1647+53.00	-	1650+50.00	US 20 EB Right Turn
297	1647+53.00	-	1650+50.00	US 20 EB Left Turn
3,300	1650+50.00	-	1683+50.00	US 20 Two-Way Left Turn
196	1514+13.00	-	1516+09.00	EB LANE
80	1519+50.00	-	1520+30.00	WB O EDGE
680	1545+90.00	-	1552+70.00	WB O EDGE
150	1571+50.00	-	1573+00.00	WB O EDGE
135	1574+75.00	-	1576+10.00	C WB LANE
540	1579+00.00	-	1584+40.00	C WB LANE
140	1680+53.00	-	1681+93.00	C EB LANE
<hr/>				
	41,350	Rural Subtotal		

**52,690 TOTAL**

**48101200 AGGREGATE SHOULDERS, TYPE B**

TON      LOCATION

Urban

174	1412+86.33	-	1475+41.00	US 20 NORTH
174	1412+86.33	-	1475+41.00	US 20 SOUTH
33	1477+16.78	-	1488+99.65	US 20 NORTH
33	1477+16.78	-	1488+99.65	US 20 SOUTH
<hr/>				
	414	Urban Subtotal		

Rural

4	2951+23.78	-	2952+78.17	SHATTUCK RD WEST
4	2951+23.78	-	2952+78.17	SHATTUCK RD EAST
5	2953+56.72	-	2955+29.94	LOGAN AVE WEST
5	2953+56.72	-	2955+29.94	LOGAN AVE EAST
<hr/>				
	18	Rural Subtotal		

**432 TOTAL**

## SCHEDULE OF QUANTITIES

### 48102100 AGGREGATE WEDGE SHOULDER, TYPE B

<u>TON</u>	<u>LOCATION</u>
<u>Rural</u>	
	Field Entrance
2	1509+10.00
2	1511+79.00
2	1513+88.00
2	1546+99.00
2	1567+87.00
2	1576+27.00
2	1576+83.00
2	1607+70.00
3	1613+17.00
10	1620+72.00
3	1683+18.00

**32 TOTAL**

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### 60255500 MANHOLES TO BE ADJUSTED

<u>EACH</u>	<u>LOCATION</u>
<u>Rural</u>	
1	1647+31.00
1	9+77.00
1	1654+00.00
1	1660+55.00

**4 TOTAL**

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## SCHEDULE OF QUANTITIES

### 63500205 REMOVING AND REPLACING DELINEATORS

EACH      LOCATION

Urban

2	1426+00.00 +/-	(ALL CROSS-CULVERTS)
2	1435+85.00 +/-	
2	1444+75.00 +/-	
2	1449+40.00 +/-	
2	1454+70.00 +/-	
2	1457+10.00 +/-	
2	1471+10.00 +/-	
2	1485+50.00 +/-	
2	Guardrail Ends (2)	
2	LOGAN	

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20 Urban Subtotal

Rural

2	SHATT.	+/-
2	1532+90.00 +/-	
2	1555+75.00 +/-	
2	1569+00.00 +/-	
2	1571+25.00 +/-	
2	1575+50.00 +/-	
2	1587+50.00 +/-	
2	1597+50.00 +/-	
2	1598+25.00 +/-	
2	1599+90.00 +/-	
2	1694+75.00 +/-	
2	Guardrail Ends (2)	

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24 Rural Subtotal

**44 TOTAL**

### 64200105 SHOULDER RUMBLE STRIP

FOOT      LOCATION

Urban

6,233	1412+86.00 -	1475+19.00 LT
898	1478+17.00 -	1487+15.00 LT
874	1494+85.00 -	1503+59.00 LT
6,295	1412+86.00 -	1475+81.00 RT
907	1478+08.00 -	1487+15.00 RT
1,663	1494+85.00 -	1511+48.00 RT

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16,870 Urban Subtotal

Rural

462	1504+29.00 -	1508+91.00 LT
81	1509+29.00 -	1510+10.00 LT
124	1510+49.00 -	1511+73.00 LT
48	1512+17.00 -	1512+65.00 LT
70	1513+00.00 -	1513+70.00 LT

### SCHEDULE OF QUANTITIES

553	1514+10.00	-	1519+63.00	LT
41	1520+18.00	-	1520+59.00	LT
91	1521+17.00	-	1522+08.00	LT
6	1522+65.00	-	1522+71.00	LT
196	1523+30.00	-	1525+26.00	LT
48	1525+74.00	-	1526+22.00	LT
13	1526+61.00	-	1526+74.00	LT
194	1528+82.00	-	1530+76.00	LT
456	1531+12.00	-	1535+68.00	LT
371	1536+05.00	-	1539+76.00	LT
125	1540+20.00	-	1541+45.00	LT
327	1541+84.00	-	1545+11.00	LT
41	1545+47.00	-	1545+88.00	LT
337	1546+37.00	-	1549+74.00	LT
253	1550+12.00	-	1552+65.00	LT
926	1553+10.00	-	1562+36.00	LT
900	1562+73.00	-	1571+73.00	LT
465	1572+09.00	-	1576+74.00	LT
2,066	1577+11.00	-	1597+77.00	LT
194	1598+14.00	-	1600+08.00	LT
258	1600+95.00	-	1603+53.00	LT
48	1604+01.00	-	1604+49.00	LT
12	1604+89.00	-	1605+01.00	LT
95	1605+46.00	-	1606+41.00	LT
103	1606+78.00	-	1607+81.00	LT
1,230	1608+23.00	-	1620+53.00	LT
56	1620+90.00	-	1621+46.00	LT
846	1621+83.00	-	1630+29.00	LT
115	1631+50.00	-	1632+65.00	LT
155	1632+93.00	-	1634+48.00	LT
15	1634+85.00	-	1635+00.00	LT
313	1680+00.00	-	1683+13.00	LT
-272	1683+50.00	-	1686+22.00	LT
136	1686+58.00	-	1687+94.00	LT
161	1688+36.00	-	1689+97.00	LT
1,021	1690+34.00	-	1700+55.00	LT
149	1701+51.00	-	1703+00.00	LT
175	1511+92.00	-	1513+67.00	RT
1,673	1514+08.00	-	1530+81.00	RT
943	1531+17.00	-	1540+60.00	RT
154	1541+45.00	-	1542+99.00	RT
336	1543+44.00	-	1546+80.00	RT
1,314	1547+27.00	-	1560+41.00	RT
141	1560+88.00	-	1562+29.00	RT
497	1562+66.00	-	1567+63.00	RT
123	1568+10.00	-	1569+33.00	RT
622	1569+86.00	-	1576+08.00	RT
892	1576+45.00	-	1585+37.00	RT
2,175	1585+74.00	-	1607+49.00	RT
503	1607+90.00	-	1612+93.00	RT
409	1613+41.00	-	1617+50.00	RT
353	1617+93.00	-	1621+46.00	RT

### SCHEDULE OF QUANTITIES

842	1621+91.00	-	1630+33.00	RT
132	1630+73.00	-	1632+05.00	RT
325	1632+41.00	-	1635+66.00	RT
293	1680+00.00	-	1682+93.00	RT
386	1683+43.00	-	1687+29.00	RT
219	1687+61.00	-	1689+80.00	RT
271	1690+19.00	-	1692+90.00	RT
969	1693+31.00	-	1703+00.00	RT
<hr/>				
	27,120	Urban Subtotal		
<hr/>				
	43,990	TOTAL		

### 70300100 SHORT-TERM PAVEMENT MARKING

<u>FOOT</u>	<u>LOCATION</u>	<u>TYPE</u>
ASSUME 3 APPLICATIONS		
<u>MAINLINE YELLOW</u>		
3,824	1412+86.33 -	1465+44.00 CENTERLINE
1,496	1465+44.50 -	1475+73.00 MEDIAN
1,715	1477+20.00 -	1488+99.00 MEDIAN
1,895	1494+85.00 -	1520+90.00 CENTERLINE
954	1520+90.00 -	1527+46.00 MEDIAN
735	1528+13.00 -	1533+18.00 MEDIAN
398	1533+18.00 -	1540+48.00 CENTERLINE
6,538	1541+60.00 -	1631+50.00 CENTERLINE
2,247	1631+50.00 -	1646+95.00 MEDIAN
817	1648+13.00 -	1653+75.00 MEDIAN
364	1654+58.00 -	1657+08.00 MEDIAN
327	1658+00.00 -	1660+25.00 MEDIAN
335	1661+16.00 -	1663+46.00 MEDIAN
2,783	1664+37.00 -	1683+50.00 MEDIAN
1,246	1683+50.00 -	1700+63.00 CENTERLINE
111	1701+47.00 -	1703+00.00 CENTERLINE
<hr/>		
	25,785	SUBTOTAL MAINLINE YELLOW
<u>SIDERROADS YELLOW</u>		
155	2951+24.36 -	2952+30.99 SHATTUCK RD - MEDIAN
207	2953+85.19 -	2955+27.25 LOGAN AVE - MEDIAN
196	10+30.00 -	11+65.00 EPWORTH RD - CENTERLINE
88	9+01.50 -	9+62.00 PRAIRIE GARDEN - CENTERLINE
74	10+49.00 -	11+00.00 PRAIRIE GARDEN - CENTERLINE
<hr/>		
	720	SUBTOTAL SIDEROADS YELLOW
<u>MAINLINE WHITE</u>		
89	1473+26.00 -	1475+70.00 EB LT TURN
48	1475+70.00 -	1475+70.00 LOGAN AVE WEST LEG - STOP BAR
48	1476+02.00 -	1476+02.00 LOGAN AVE WEST LEG - STOP BAR
98	1476+98.59 -	1479+68.65 WB RT TURN
98	1476+98.55 -	1479+68.62 WB LT TURN
36	1526+46.00 -	1527+46.00 EB LT TURN

**SCHEDULE OF QUANTITIES**

45	1645+70.00	-	1646+95.00	EB RT TURN
42	1645+80.00	-	1646+95.00	EB LT TURN
592	1648+07.00	-	1648+13.00	GARDEN PRAIRIE RD EAST LEG - CROSSWALK
41	1648+13.00	-	1649+25.00	WB RT TURN
40	1648+13.00	-	1649+23.00	WB LT TURN
368	1653+75.00	-	1653+81.00	PLEASANT ST WEST LEG - CROSSWALK
2,342	1412+86.00	-	1489+00.00	LT&RT Edge
96	1494+85.00	-	1498+00.00	LT&RT Edge
600	1683+50.00	-	1703+00.00	LT&RT Edge
<hr/>				
8,799 SUBTOTAL MAINLINE WHITE				

SIDEROADS WHITE

208	2952+27.71	-	2952+27.71	SHATTUCK RD SOUTH LEG
184	2953+90.11	-	2953+90.11	LOGAN AVE NORTH LEG
72	2953+31.05	-	2953+31.05	LOGAN AVE NORTH LEG
64	10+18.00	-	10+18.00	EPWORTH NORTH LEG
56	10+27.00	-	10+27.00	EPWORTH NORTH LEG
48	1541+05.00	-	1541+05.00	SPRING ROAD SOUTH LEG
48	9+62.00	-	9+62.00	PRAIRIE GARDEN SOUTH LEG
56	9+62.00	-	9+62.00	PRAIRIE GARDEN SOUTH LEG
64	10+49.00	-	10+49.00	PRAIRIE GARDEN NORTH LEG
48	1650+75.00	-	1650+75.00	CLARENCE ST NORTH LEG
48	1654+00.00	-	1654+00.00	PLESANT ST NORTH LEG
48	1654+00.00	-	1654+00.00	PLESANT ST SOUTH LEG
48	1657+50.00	-	1657+50.00	PRAIRIE ST NORTH LEG
48	1657+50.00	-	1657+50.00	PRAIRIE ST SOUTH LEG
48	1660+75.00	-	1660+75.00	EAST ST NORTH LEG
48	1663+75.00	-	1663+75.00	STATION ST NORTH LEG
48	1701+00.00	-	1701+00.00	COUNTY LINE NORTH LEG
<hr/>				
1,184 SUBTOTAL SIDEROADS WHITE				

**36,488 TOTAL**

70301000 WORK ZONE PAVEMENT MARKING REMOVAL

<u>SQ FT</u>	<u>LOCATION</u>		
SAME LOCATIONS AS SHORT-TERM PAVEMENT MARKING			
1,018	1412+86.33	-	1498+00.00
2,023	1498+00.00	-	1700+00.00

**3,041 TOTAL**



## SCHEDULE OF QUANTITIES

### 78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

<u>SQ FT</u>	<u>LOCATION</u>	<u>TYPE</u>
15.8	1473+52.88 -	1473+52.88 EB LT ARROW
15.8	1474+53.55 -	1474+53.55 EB LT ARROW
15.8	1475+52.70 -	1475+52.70 EB LT ARROW
31.6	1477+43.25 -	1477+43.25 WB RT & LT ARROW
31.6	1478+37.44 -	1478+37.44 WB RT & LT ARROW
31.6	1479+37.61 -	1479+37.61 WB RT & LT ARROW
15.8	1526+90.00 -	1526+90.00 EB LT ARROW
15.8	1527+40.00 -	1527+40.00 EB LT ARROW
15.8	1528+38.00 -	1528+38.00 WB RT ARROW
15.8	1529+70.00 -	1529+70.00 WB RT ARROW
31.6	1635+90.00 -	1635+90.00 TWO-WAY LT ARROW
31.6	1638+25.00 -	1638+25.00 TWO-WAY LT ARROW
31.6	1641+80.00 -	1638+25.00 TWO-WAY LT ARROW
31.6	1643+40.00 -	1643+40.00 TWO-WAY LT ARROW
31.6	1646+25.00 -	1646+25.00 EB RT & LT ARROW
31.6	1646+80.00 -	1646+80.00 EB RT & LT ARROW
31.6	1648+20.00 -	1648+20.00 WB RT & LT ARROW
31.6	1649+10.00 -	1649+10.00 WB RT & LT ARROW
31.6	1655+90.00 -	1655+90.00 TWO-WAY LT ARROW
31.6	1659+05.00 -	1659+05.00 TWO-WAY LT ARROW
31.6	1662+30.00 -	1662+30.00 TWO-WAY LT ARROW
31.6	1665+40.00 -	1665+40.00 TWO-WAY LT ARROW
31.6	1668+90.00 -	1668+90.00 TWO-WAY LT ARROW
31.6	1670+40.00 -	1670+40.00 TWO-WAY LT ARROW
31.6	1673+90.00 -	1673+90.00 TWO-WAY LT ARROW
31.6	1675+40.00 -	1675+40.00 TWO-WAY LT ARROW
31.6	1678+90.00 -	1678+90.00 TWO-WAY LT ARROW

**743 TOTAL**

### 78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"

<u>FOOT</u>	<u>LOCATION</u>	<u>TYPE</u>
<u>MAINLINE YELLOW</u>		
2	1412+86.33 -	1412+95.98 SKIP DASH
792	1412+95.98 -	1419+29.50 NO PASS EB
924	1419+29.50 -	1426+68.99 NO PASS WB
735	1426+68.99 -	1456+09.69 SKIP DASH
1,055	1456+09.69 -	1464+54.00 NO PASS EB
23	1464+54.50 -	1465+44.50 SKIP DASH
4,114	1465+44.50 -	1475+73.00 DOUBLE MEDIAN
4,720	1477+19.00 -	1488+99.00 DOUBLE MEDIAN
733	1488+99.00 -	1494+85.00 NO PASS WB
79	1494+85.00 -	1498+00.00 SKIP DASH
363	1518+00.00 -	1520+90.00 NO PASS EB
152	1520+90.00 -	1521+66.00 DOUBLE CENTERLINE
1,936	1521+66.00 -	1526+50.00 DOUBLE MEDIAN
192	1526+50.00 -	1527+46.00 DOUBLE CENTERLINE

### SCHEDULE OF QUANTITIES

2,020	1528+13.00	-	1533+18.00	DOUBLE MEDIAN
160	1533+18.00	-	1533+98.00	DOUBLE CENTERLINE
5,604	1533+98.00	-	1562+00.00	DOUBLE CENTERLINE
1,250	1562+00.00	-	1572+00.00	NO PASS WB
325	1572+00.00	-	1585+00.00	SKIP DASH
1,813	1585+00.00	-	1599+50.00	NO PASS WB
638	1599+50.00	-	1625+00.00	SKIP DASH
813	1625+00.00	-	1631+50.00	NO PASS EB
120	1631+50.00	-	1632+10.00	DOUBLE CENTERLINE
1,240	1632+10.00	-	1635+20.00	DOUBLE MEDIAN
1,770	1635+20.00	-	1644+05.00	TWO-WAY MEDIAN
438	1635+30.00	-	1644+05.00	MEDIAN - SKIP DASH
960	1643+05.00	-	1645+45.00	DOUBLE MEDIAN
300	1645+45.00	-	1646+95.00	DOUBLE CENTERLINE
254	1648+13.00	-	1649+40.00	DOUBLE CENTERLINE
640	1649+40.00	-	1651+00.00	DOUBLE MEDIAN
550	1651+00.00	-	1653+75.00	TWO-WAY MEDIAN
138	1651+00.00	-	1653+75.00	MEDIAN - SKIP DASH
500	1654+58.00	-	1657+08.00	TWO-WAY MEDIAN
125	1654+58.00	-	1657+08.00	MEDIAN - SKIP DASH
450	1658+00.00	-	1660+25.00	TWO-WAY MEDIAN
113	1658+00.00	-	1660+25.00	MEDIAN - SKIP DASH
460	1661+16.00	-	1663+46.00	TWO-WAY MEDIAN
115	1661+16.00	-	1663+46.00	MEDIAN - SKIP DASH
3,126	1664+37.00	-	1680+00.00	TWO-WAY MEDIAN
782	1664+37.00	-	1680+00.00	MEDIAN - SKIP DASH
1,120	1680+00.00	-	1682+80.00	DOUBLE MEDIAN
140	1682+80.00	-	1683+50.00	DOUBLE CENTERLINE
563	1683+50.00	-	1688+00.00	NO PASS WB
327	1688+00.00	-	1701+06.63	SKIP DASH
242	1701+06.63	-	1703+00.00	NO PASS EB

43,416 SUBTOTAL MAINLINE YELLOW

#### SIDERoads YELLOW

568	2953+85.19	-	2955+27.25	LOGAN AVE - DOUBLE MEDIAN
427	2951+24.36	-	2952+30.99	SHATTUCK RD - DOUBLE MEDIAN
270	10+30.00	-	11+65.00	EPWORTH RD - DOUBLE CENTERLINE
121	9+01.50	-	9+62.00	GARDEN PRAIRIE RD - DOUBLE CENTERLINE
102	10+49.00	-	11+00.00	GARDEN PRAIRIE RD - DOUBLE CENTERLINE

1,488 SUBTOTAL SIDEROADS YELLOW

#### MAINLINE WHITE

6,344	1412+86.33	-	1476+30.00	EB EDGELINE
6,268	1412+86.33	-	1475+54.00	WB EDGELINE
1,140	1477+60.00	-	1488+99.65	EB EDGELINE
1,217	1476+83.00	-	1488+99.65	WB EDGELINE
585	1488+99.65	-	1494+85.00	EB EDGELINE
585	1488+99.65	-	1494+85.00	WB EDGELINE
315	1494+85.00	-	1498+00.00	WB EDGELINE
155	1526+71.00	-	11+14.00	NW CORNER EPWORTH RD
140	11+39.00	-	1528+08.00	NE CORNER EPWORTH RD
3,323	1494+85.00	-	1528+08.00	EB EDGELINE
1,335	1528+08.00	-	1541+43.00	WB EDGELINE
1,250	1528+08.00	-	1540+58.00	EB EDGELINE

**SCHEDULE OF QUANTITIES**

62	1540+58.00	-	1540+80.00	SW CORNER SPRING Street
75	1541+20.00	-	1541+43.00	SE CORNER SPRING Street
10,077	1541+43.00	-	1642+20.00	WB EDGELINE
9,357	1541+43.00	-	1635+00.00	EB EDGELINE
3,626	1664+37.00	-	1700+63.00	WB EDGELINE
2,300	1680+00.00	-	1703+00.00	EB EDGELINE
91	1700+63.00	-	1700+80.00	NW CORNER COUNTY LINE RD
103	1701+10.00	-	1701+47.00	NE CORNER COUNTY LINE RD
153	1701+47.00	-	1703+00.00	WB EDGELINE
<hr/>				
51,372 SUBTOTAL MAINLINE WHITE				

SIDEROADS WHITE

190	2951+21.08	-	2952+72.00	SHATTUCK RD - NB EDGELINE
207	2951+21.08	-	2952+72.00	SHATTUCK RD - SB EDGELINE
315	2953+24.49	-	3281+94.83	LOGAN AVE - NB EDGELINE
230	2953+24.49	-	2988+08.05	LOGAN AVE - SB EDGELINE
351	2953+44.18	-	2988+08.05	LOGAN AVE - NB EDGELINE
51	11+14.00	-	11+65.00	EPWORTH RD - SB EDGELINE
26	11+39.00	-	11+65.00	EPWORTH RD - NB EDGELINE
<hr/>				
1,370 SUBTOTAL SIDEROADS WHITE				

97,646 TOTAL

78000400 THERMOPLASTIC PAVEMENT MARKING - LINE 6"

<u>FOOT</u>	<u>LOCATION</u>	<u>TYPE</u>
<u>MAINLINE WHITE</u>		
328	1648+07.00 - 1648+13.00	GARDEN PRAIRIE RD E&N LEG - CROSSWALK
92	1653+75.00 - 1653+81.00	PLEASANT ST WEST LEG - CROSSWALK
80	1650+81.00 - Parallel to US20	Clarence XW
160	1654+10.00 - Parallel to US20	Pleasant XWs
160	1657+50.00 - Parallel to US20	Prairie XWs
80	1660+73.00 - Parallel to US20	East XW
80	1663+94.00 - Parallel to US20	XW
62	1470+80.00 - 1473+26.00	EB LT TURN EXTENSION
278	1473+26.00 - 1476+04.00	EB LT TURN LINE
195	1477+73.00 - 1479+68.00	WB RT TURN LINE
270	1476+98.00 - 1479+68.00	WB LT TURN LINE
54	1479+68.00 - 1481+85.00	WB RT TURN EXTENSION
62	1479+68.00 - 1482+14.00	WB LT TURN EXTENSION
45	1524+66.00 - 1526+46.00	EB LT TURN EXTENSION
100	1526+46.00 - 1527+46.00	EB LT TURN LINE
220	1528+30.00 - 1530+50.00	WB RT TURN LINE
36	1530+50.00 - 1531+95.00	WB LT TURN EXTENSION
36	1644+26.00 - 1645+70.00	EB RT TURN EXTENSION
40	1644+26.00 - 1645+85.00	EB LT TURN EXTENSION
125	1645+70.00 - 1646+95.00	EB RT TURN LINE
110	1645+85.00 - 1646+95.00	EB LT TURN LINE
<hr/>		
2,613 TOTAL		

## SCHEDULE OF QUANTITIES

### 78000500 THERMOPLASTIC PAVEMENT MARKING - LINE 8"

<u>FOOT</u>	<u>LOCATION</u>	<u>TYPE</u>
<u>MAINLINE WHITE</u>		
242	1476+30.00 - 1477+73.00	LOGAN - NE CORNER ISLAND
117	1527+40.00 - 1527+75.00	EPWORTH - NW CORNER ISLAND
140	1647+60.00 - 1648+07.00	PRAIRIE GARDEN - SE CORNER ISLAND
<hr/>		
<b>499 TOTAL</b>		

### 78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"

<u>FOOT</u>	<u>LOCATION</u>	
<u>MAINLINE YELLOW</u>		
992	1465+61.00 - 1475+91.17	LOGAN AVE WEST LEG - DIAGONAL
425	1477+07.64 - 1489+16.61	LOGAN AVE EAST LEG - DIAGONAL
144	1521+68.00 - 1526+46.00	EPWORTH WEST LEG - DIAGONAL
204	1528+13.00 - 1533+18.00	EPWORTH EAST LEG - DIAGONAL
192	1632+10.00 - 1635+30.00	DIAGONAL
120	1644+05.00 - 1646+95.00	DIAGONAL
168	1648+13.00 - 1651+00.00	DIAGONAL
180	1680+00.00 - 1682+80.00	DIAGONAL
<hr/>		
2,425 SUBTOTAL MAINLINE YELLOW		

#### SIDEROADS YELLOW

102	2953+95.03 - 2955+24.62	
85	2951+21.08 - 2952+30.99	LOGAN AVE NORTH LEG - DIAGONAL
<hr/>		
187 SUBTOTAL SIDEROADS YELLOW		

#### MAINLINE WHITE

210	1476+30.00 - 1477+73.00	
60	1527+40.00 - 1527+75.00	
56	1647+60.00 - 1648+07.00	
<hr/>		
326 SUBTOTAL MAINLINE WHITE		

**2,938 TOTAL**

### SCHEDULE OF QUANTITIES

#### 78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"

<u>FOOT</u>	<u>LOCATION</u>		
<u>MAINLINE WHITE</u>			
13	1475+91.17	-	1475+91.17 LOGAN AVE WEST LEG
16	1476+23.98	-	1476+23.98 LOGAN AVE WEST LEG
13	1477+15.84	-	1477+15.84 LOGAN AVE WEST LEG
13	1477+38.81	-	1477+38.81 LOGAN AVE WEST LEG
<hr/>			
55 SUBTOTAL MAINLINE WHITE			

#### SIDERoadS WHITE

52	2952+27.71	-	2952+27.71 SHATTUCK RD SOUTH LEG
46	2953+90.11	-	2953+90.11 LOGAN AVE NORTH LEG
18	2953+31.05	-	2953+31.05 LOGAN AVE NORTH LEG
16	10+18.00	-	10+18.00 EPWORTH NORTH LEG
14	10+27.00	-	10+27.00 EPWORTH NORTH LEG
12	1541+05.00	-	1541+05.00 SPRING ROAD SOUTH LEG
12	9+62.00	-	9+62.00 PRAIRIE GARDEN SOUTH LEG
14	9+62.00	-	9+62.00 PRAIRIE GARDEN SOUTH LEG
16	10+49.00	-	10+49.00 PRAIRIE GARDEN NORTH LEG
12	1650+75.00	-	1650+75.00 CLARENCE ST NORTH LEG
12	1654+00.00	-	1654+00.00 PLESANT ST NORTH LEG
12	1654+00.00	-	1654+00.00 PLESANT ST SOUTH LEG
12	1657+50.00	-	1657+50.00 PRAIRIE ST NORTH LEG
12	1657+50.00	-	1657+50.00 PRAIRIE ST SOUTH LEG
12	1660+75.00	-	1660+75.00 EAST ST NORTH LEG
12	1663+75.00	-	1663+75.00 STATION ST NORTH LEG
12	1701+00.00	-	1701+00.00 COUNTY LINE NORTH LEG
<hr/>			
296 SUBTOTAL SIDERoadS WHITE			

351 TOTAL

#### 78100100 RAISED REFLECTIVE PAVEMENT MARKER

<u>EACH</u>	<u>LOCATION</u>	<u>DISTANCE</u>	<u>SPACING</u>	<u>TWO-WAY AMBER</u>	<u>ONE-WAY AMBER</u>	<u>ONE-WAY CRYSTAL</u>
66	1412+86 - 1464+83	5197	80' C-C	66		
2	1464+83 - 1465+63	80	40' C-C	2		
40	1465+63 - 1473+25	762	40' C-C		40	
26	1473+25 - 1475+75	250	20' C-C	26		
14	1473+25 - 1475+75	250	20' C-C			14
26	1477+27 - 1479+72	245	20' C-C	26		
14	1477+27 - 1479+72	245	20' C-C			14
14	1477+27 - 1479+72	245	20' C-C			14
48	1479+72 - 1488+97	925	40' C-C		48	
2	1488+97 - 1489+77	80	40' C-C	2		
38	1489+77 - 1520+06	3029	80' C-C	38		
2	1520+06 - 1520+86	80	40' C-C	2		
30	1520+86 - 1526+51	565	40' C-C		30	
10	1526+51 - 1527+51	100	20' C-C	10		
6	1526+51 - 1527+51	100	20' C-C			6
11	1528+40 - 1530+40	200	20' C-C			11

**SCHEDULE OF QUANTITIES**

4	1528+22 - 0+00	12	4' C-C		4
30	1528+22 - 1534+00	578	40' C-C		30
4	1534+00 - 1534+80	80	40' C-C	4	
16	1534+80 - 1547+50	1270	80' C-C	16	
38	1547+50 - 1562+63	1513	40' C-C	38	
86	1562+63 - 1630+70	6807	80' C-C	86	
2	1630+70 - 1631+50	80	40' C-C	2	
18	1631+50 - 1635+00	350	40' C-C		18
46	1635+00 - 1644+05	905	40' C-C	46	
10	1644+05 - 1645+85	180	40' C-C		10
12	1645+85 - 1647+00	115	20' C-C	12	
7	1645+85 - 1647+00	115	20' C-C		7
8	1645+70 - 1647+00	130	20' C-C		8
12	1648+15 - 1649+25	110	20' C-C	12	
7	1648+15 - 1649+25	110	20' C-C		7
7	1648+15 - 1649+25	110	20' C-C		7
10	1649+25 - 1651+00	175	40' C-C		10
16	1651+00 - 1653+80	280	40' C-C	16	
16	1654+50 - 1657+23	273	40' C-C	16	
16	1657+92 - 1660+40	248	40' C-C	16	
16	1661+08 - 1663+53	245	40' C-C	16	
80	1664+40 - 1680+00	1560	40' C-C	80	
16	1680+00 - 1683+00	300	40' C-C		16
28	1683+00 - 1704+00	2100	80' C-C	28	
<b>854 TOTAL</b>					

**78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL**

<u>EACH</u>	<u>LOCATION</u>
125	1412+86 - 1498+00
250	1498+00 - 1683+00
<b>375 TOTAL</b>	

**81400115 HANDHOLE TO BE ADJUSTED**

<u>EACH</u>	<u>LOCATION</u>
2	NOMINAL QUANTITY
2	TOTAL

## SCHEDULE OF QUANTITIES

### 88600400 DETECTOR LOOP, SPECIAL

<u>FOOT</u>	<u>LOCATION</u>	
84	LOGAN AVE	EB LEFT LANE #1
72	LOGAN AVE	EB LEFT LANE #2
84	LOGAN AVE	EB THRU LANE #1
72	LOGAN AVE	EB THRU LANE #2
100	LOGAN AVE	WB LEFT LANE #1
126	LOGAN AVE	WB LEFT LANE #2
92	LOGAN AVE	WB THRU LANE #1
118	LOGAN AVE	WB THRU LANE #2
100	LOGAN AVE	NB LANE #1
100	LOGAN AVE	NB LANE #2
72	LOGAN AVE	SB LANE #1
92	LOGAN AVE	SB LANE #2
40	LOGAN AVE	FAR OUT EB (425')
40	LOGAN AVE	FAR OUT EB (170')
40	LOGAN AVE	FAR OUT WB (425')
40	LOGAN AVE	FAR OUT WB (170')
<u>1272</u>	<u>TOTAL</u>	

### Z0028415 GEOTECHNICAL REINFORCEMENT

<u>SQ YD</u>	<u>LOCATION</u>
153	Patch Locations
<u>153</u>	<u>TOTAL</u>

FAP 525 (US 20)  
Section No. (13,14-1)RS-2  
Boone County  
Contract No. 64F06  
Sheet 51 of 84

## SCHEDULE OF QUANTITIES

### Z0028700 GRANULAR SUBGRADE REPLACEMENT

<u>CU YD</u>	<u>LOCATION</u>
7	Patch Locations
7	TOTAL

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**HOT-MIX ASPHALT SCHEDULE**

LOCATION	SURFACE		AREA	44000156		44000157		44000158		40800050		40800200		40800300		40803590		40803340		40803315		40800635		40600735		40600837				
	LENGTH	WIDTH		HMA SURFACE REM., 1 1/2"	HMA SURFACE REM., 2"	HMA SURFACE REM., VAR DEP	INCIDENTAL HMA SURFACING	BIT. MAT. PRIME COAT	AGG. PRIME COAT	POLY. HMA SURF. MIX "T", N70 (MAINLINE) 1.5"	HMA SURF. MIX "D", N70 (MAINLINE) 1.5"	HMA SURE. MIX "C", N70 (SHOULDER) 2.25"	LEVELING BINDER, N70 (MM)	LEVELING BINDER, N70 (POLYMERIZED) (MM)	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON		
FT	FT	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON		
Urban																														
1412+86 TO 1446+00	3,314	24	8,837.3																											
1412+86 TO 1446+00	3,314	24	7,384.4																											
1446+00 TO 1453+50	750	20	2,000.0																											
1446+00 TO 1453+50	750	20	1,666.7																											
1453+50 TO 1464+10	1,080	24	2,826.7																											
1453+50 TO 1464+10	1,080	20	2,355.6																											
1464+10 TO 1470+85	885	20	2,701.9																											
1464+10 TO 1470+85	885	20	1,522.2																											
1470+85 TO 1475+19	424	47	2,214.2																											
1470+85 TO 1475+19	424	20	942.2																											
1475+19 TO 1478+17	288	47	1,556.2																											
1475+19 TO 1478+17	288	10	68.9																											
1478+17 TO 1479+72	155	63	1,085.0																											
1478+17 TO 1479+72	155	16	275.6																											
1479+72 TO 1481+87	215	63	1,284.0																											
1479+72 TO 1481+87	215	16	430.0																											
1481+87 TO 1487+15	528	44	2,273.3																											
1481+87 TO 1487+15	528	20	1,173.3																											
1487+15 TO 1489+00	185	33	796.5																											
1487+15 TO 1489+00	185	20	411.1																											
1489+00 TO 1498+00	315	16	560.0																											
LOGAN AVENUE																														
1445+20 TO 1446+00	80	44	2,107.1																											
1453+50 TO 1454+30	80	44	391.1																											
1474+39 TO 1475+19	80	67	595.6																											
1476+17 TO 1478+07	80	79	702.2																											
1466+85 TO 1487+15	80	53	471.1																											
URBAN TOTAL			44,452.2	0.0	2,551.1	0.0	28.6	110.8	2,553.8	0.0	2,113.0	0.0	0.0	25.4	1,702.5															
Rural - Omit Bridge Omission																														
1494+65 TO 1521+26	2,641	24	7,042.7																											
1494+65 TO 1521+26	2,641	16	4,135.1																											
1521+26 TO 1523+67	241	24	769.9																											
1521+26 TO 1523+67	241	16	428.4																											
1523+67 TO 1524+67	100	41	461.1																											
1523+67 TO 1524+67	100	8	88.9																											
1524+67 TO 1526+47	180	41	835.0																											
1524+67 TO 1526+47	180	8	160.0																											
1526+47 TO 1528+39	192	42	936.7																											
1526+47 TO 1528+39	192	8	170.7																											
RURAL SUB-TOTAL			44,462.2	2,654.4	2,551.1	0.0	38.6	151.0	2,553.8	844.0	2,740.9	8.4	562.7	25.4	1,702.5															
PAGE SUB-TOTAL			44,462.2	2,654.4	2,551.1	0.0	38.6	151.0	2,553.8	844.0	2,740.9	8.4	562.7	25.4	1,702.5															



**HOT-MIX ASPHALT SCHEDULE**

LOCATION	SURFACE AREA		44000155 HMA SURFACE REM., 1 1/2" SQ YD	44000157 HMA SURFACE REM., 2" SQ YD	44000198 HMA SURFACE REM., VAR DEP SQ YD	40800050 INCIDENTAL HMA SURFACING TON	40600200 BIT. MAT. PRIME COAT TON	40600300 AGG. PRIME COAT TON	40603590 POLY. HMA SURF. MIX "F", N70 (MAINLINE) 1.5" TON	40603340 HMA SURF. MIX "D", N70 (MAINLINE) 1.5" TON	40603315 HMA SURF. MIX "C", N70 (SHOULDER) 2.25" TON	40600535   40600636 LEVELING BINDER, N70 (HMM)		40600735   40600837 LEVELING BINDER, N70 (POLYMERIZED) (HMM)	
	LENGTH FT	WIDTH FT										TON	TON	TON	TON
Rural - Continued	44	0'-5"	12.2	12.2			0.0	0.0							
1664+43 TO 1664+67	1,513	5	840.6	840.6			0.3				105.9				
1664+67 TO 1680+00	350	38'-24"	1,205.6				1.0	4.8		101.3		1.0		67.5	
1680+00 TO 1683+50	350	16	622.2				0.2				78.4				
1683+50 TO 1695+47	1,197	24	3,192.0				2.5	12.8		268.1		2.7		178.8	
1695+47 TO 1695+47	1,197	16	2,128.0				0.8			268.1					
1695+47 TO 1700+55	508	24	1,354.7		1,354.7		1.1	5.4		113.8		1.1		75.9	
1695+47 TO 1700+55	508	16	903.1				0.4			113.8					
1700+55 TO 1701+51	96	24	256.0				0.2	1.0		21.5		0.2		14.3	
1700+55 TO 1701+51	96	8	85.3				0.0								
1701+51 TO 1703+00	149	24	397.3				0.0								
1701+51 TO 1703+00	149	16	264.9				0.3	1.6		33.4		0.3		22.2	
1622+87 TO 1523+67	80	48	426.7		426.7		0.1								
1680+00 TO 1680+80	80	54	480.0		480.0										
1684+67 TO 1695+47	80	40	355.6		355.6										
1700+55 TO 1701+35	80	40	355.6		355.6										
SHATTUCK			1,175.2		1,175.2										
EPWORTH			1,060.0			181.0	0.9	4.8							
SPRING			227.1			166.3	0.9	4.4							
GARDEN PRAIRIE			1,347.6			35.0	0.2	1.0							
CLARENCE			224.4			207.5	1.1	5.4							
PLEASANT			443.4			34.6	0.2	0.8							
PRAIRIE			481.2			68.3	0.4	1.8							
EAST			283.2			74.1	0.4	2.0							
STA 1663+94			301.0			43.6	0.2	1.2							
COUNTY LINE			235.6			46.4	0.2	1.2							
						36.3	0.2	1.0							
						893.1	11.6	49.2	0.0	538.1	611.8	5.3	358.7	0.0	0.0
						0.0	38.6	151.0	2,553.8	844.0	2,740.9	8.4	862.7	25.4	1,702.6
						0.0	47.3	202.2	0.0	4,247.2	2,348.7	42.4	2,831.3	0.0	0.0
						44,452	31,243	893	402	5,629	5,701	56	3,753	25	1,703
						44,452	0	2,551	0	0	2,143	0	0	25	1,703
						0	31,243	1,618	893	5,629	3,588	56	3,753	0	0

- Aggregate (Prime Coat) is calculated based on 2 applications at 0.1 gal/sy at 252 gal/ton.  
 - Bit. Materials (Prime Coat) is calculated based on 2 applications at 4 lbs/sy.  
 - Leveling Binder (Hand Method) is estimated to be 1.5% of Leveling Binder (Machine Method)  
 - Leveling Binder (Machine Method) is calculated at 2 3/4"  
 - Incident HMA is calculated at 2 3/4"  
 - Leveling Binder (Machine Method)(LB MM) is calculated at 1"

ENTRANCE SCHEDULE						1 OF 2
LOCATION	TYPE	SURFACE AREA	48102100	40600200	40800050	
			AGGREGATE WEDGE SHLDR. TYPE B	BIT. MAT. PRIME COAT	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			(SQ YD)	(TON)	(TON)	(TON)
1503+95	LT	CE	169.6		0.13	26.12
1509+10	LT	FE	11.7	1.95		
1510+20	LT	PE	96.1		0.08	14.80
1511+79	RT	FE	13.4	2.23		
1511+86	LT	PE	51.1		0.04	7.87
1512+81	LT	PE	45.3		0.04	6.98
1513+88	LT	PE	58.0		0.05	8.93
1513+88	RT	FE	12.0	2.00		
1519+90	LT	CE	104.9		0.08	16.15
1520+87	LT	CE	133.2		0.11	20.51
1522+35	LT	CE	113.2		0.09	17.43
1523+00	LT	CE	113.2		0.09	17.43
1530+94	LT	PE	46.5		0.04	7.16
1530+99	RT	PE	76.5		0.06	11.78
1535+86	LT	PE	36.2		0.03	5.57
1540+00	LT	PE	43.5		0.03	6.70
1541+72	LT	PE	54.2		0.04	8.35
1543+19	RT	PE	89.7		0.07	13.81
1545+29	LT	PE	33.5		0.03	5.16
1546+09	LT	PE	127.4		0.10	19.62
1546+99	RT	FE	14.3	2.38		
1549+89	LT	PE	98.4		0.08	15.15
1552+81	LT	PE	97.6		0.08	15.03
1560+65	RT	CE	150.6		0.12	23.19
1562+47	RT	PE	83.1		0.07	12.80
1562+55	LT	PE	69.3		0.06	10.67
1567+87	RT	FE	14.3	2.38		
1569+60	RT	CE	106.2		0.08	16.35
1571+69	RT	CE	112.7		0.09	17.36
1571+91	LT	PE	126.0		0.10	19.40
1576+27	RT	FE	11.3	1.88		
1576+83	LT	FE	11.0	1.83		
1585+56	RT	PE	49.8		0.04	7.67
1597+96	LT	PE	89.3		0.07	13.75
1600+31	LT	PE	80.3		0.06	12.37
1600+74	LT	PE	69.1		0.05	10.64
1603+77	LT	PE	59.3		0.05	9.13
1604+69	LT	PE	39.1		0.03	6.02
1605+24	LT	PE	44.9		0.04	6.91
1608+60	LT	PE	40.0		0.03	6.16
1607+70	RT	FE	12.3	2.05		
1608+02	LT	PE	119.9		0.10	18.46
1613+17	RT	FE	15.0	2.50		
<b>PAGE 1 TOTAL</b>			<b>19.2</b>	<b>2.26</b>	<b>435.43</b>	

<b>ENTRANCE SCHEDULE</b>						2 OF 2
LOCATION	TYPE	SURFACE AREA	48102100	40600200	40800050	
			AGGREGATE WEDGE SHLDR. TYPE B	BIT. MAT. PRIME COAT	INCIDENTAL HOT-MIX ASPHALT SURFACING	
		(SQ YD)	(TON)	(TON)	(TON)	
1617+75	RT	PE	54.3		0.04	8.36
1620+72	LT	FE	60.8	10.13		
1621+52	RT	CE	58.2		0.05	8.96
1621+64	LT	PE	49.6		0.04	7.64
1630+53	RT	PE	47.7		0.04	7.35
1630+71	LT	CE	192.2		0.15	29.60
1632+23	RT	PE	39.2		0.03	6.04
1632+80	LT	PE	17.5		0.01	2.70
1634+67	LT	PE	33.4		0.03	5.14
1683+18	RT	FE	15.3	2.55		
1683+33	LT	PE	54.5		0.04	8.39
1686+40	LT	PE	42.7		0.03	6.58
1687+47	RT	PE	42.7		0.03	6.58
1688+15	LT	PE	56.0		0.04	8.62
1690+00	RT	PE	50.7		0.04	7.81
1690+19	LT	FE	11.0		0.01	1.69
1693+21	RT	PE	66.3		0.05	10.21
<b>PAGE 2 TOTAL</b>			<b>12.68</b>	<b>0.63</b>	<b>125.67</b>	
<b>PAGE 1 TOTAL</b>			<b>19.20</b>	<b>2.26</b>	<b>435.43</b>	
<b>GRAND TOTAL</b>			<b>32</b>	<b>3</b>	<b>561</b>	

NOTES: 1. OMIT C&G SECTIONS BETWEEN 1590+00 & 1595+50 (RT),  
 1635+00 & 1680+00, 1682+52 & 1687+00 (LT), AND 1695+47  
 & 1700+60 (LT).

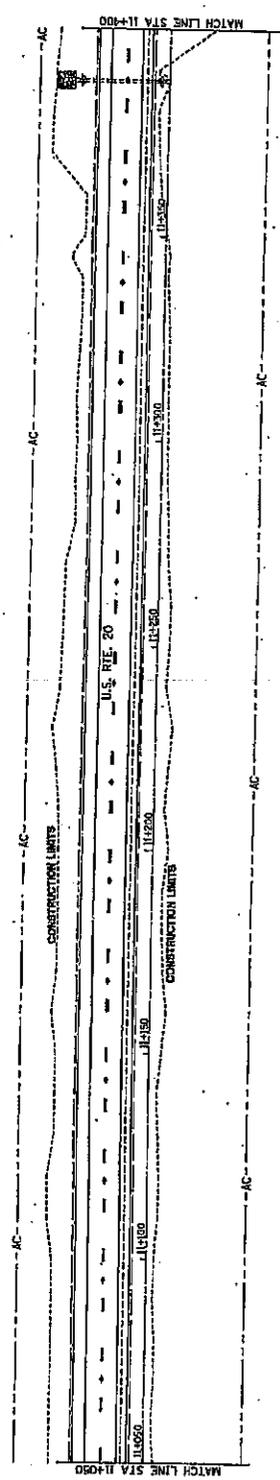
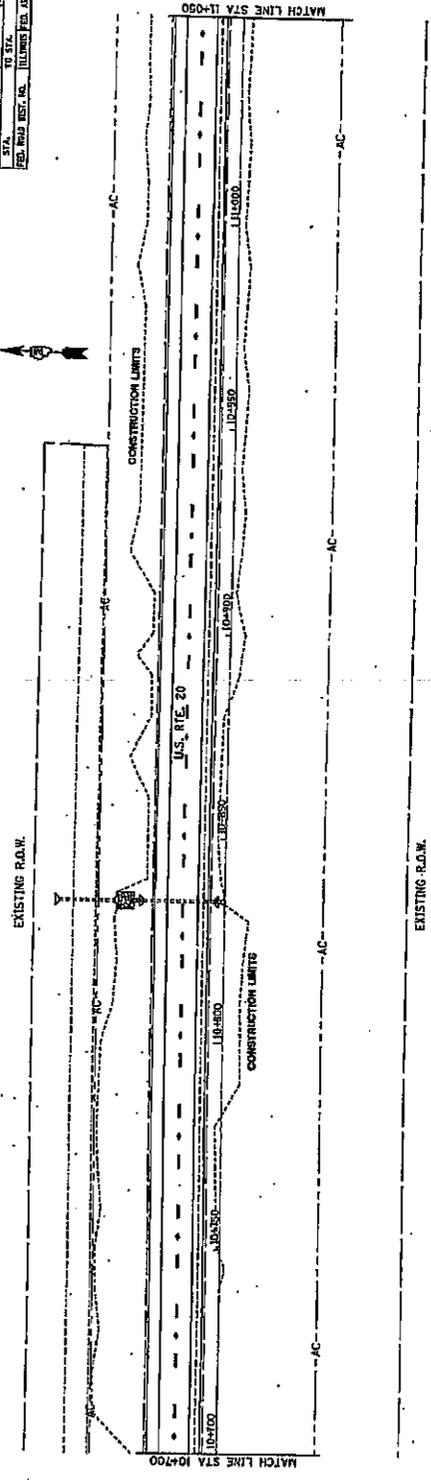
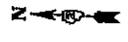
2. Depth of 2.75" was used to estimate tonnage of Incidental HMA Surfacing.







S.A.P.	SECTION	COUNTY	TOTAL SHEET
104700	104700-104750	DEKALB	10
STA	DATE	BY	NO.
104700	10/15/00	W. J. BROWN	84-160
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



0 10 20  
Scale in meters

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY	DATE

FOR REFERENCE ONLY

DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 CHICAGO, ILLINOIS 60681-1000  
 TEL: (312) 355-1000 FAX: (312) 355-1001  
 WWW: www.idot.state.il.us

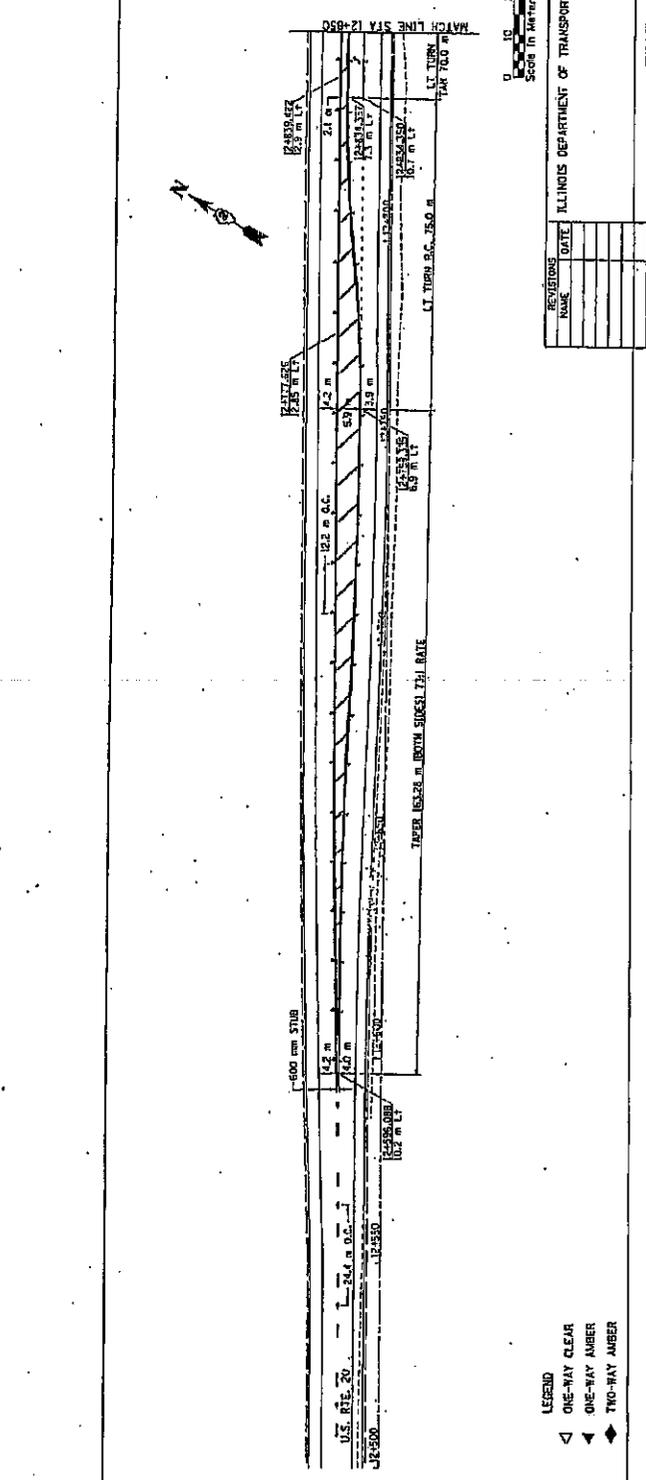
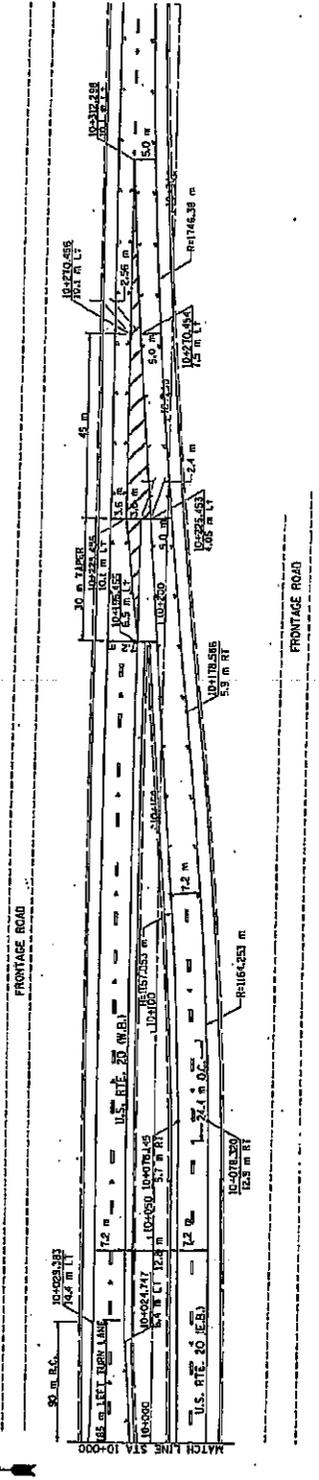






# PAVEMENT MARKING DETAILS

PLAN SHEET NO.	SECTION	COUNTY	SHEET NO.
104	104-1	BOONE	04
FOR ROAD DIST. NO. 104-1000			



REVISIONS	DATE	ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

DATE: \_\_\_\_\_

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

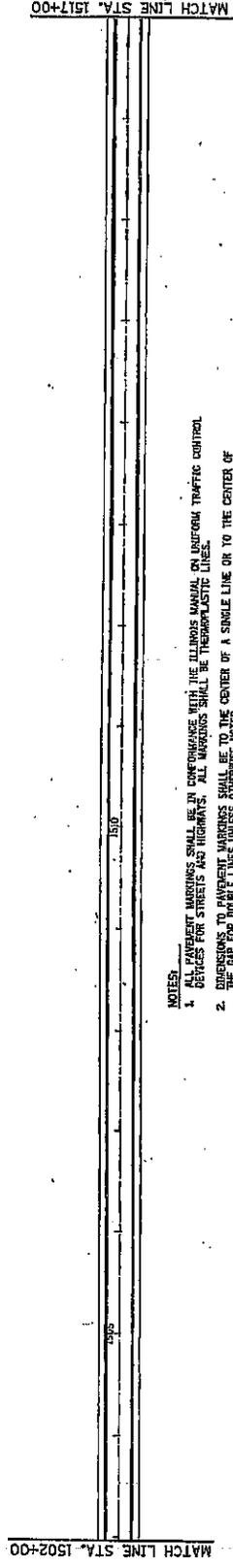
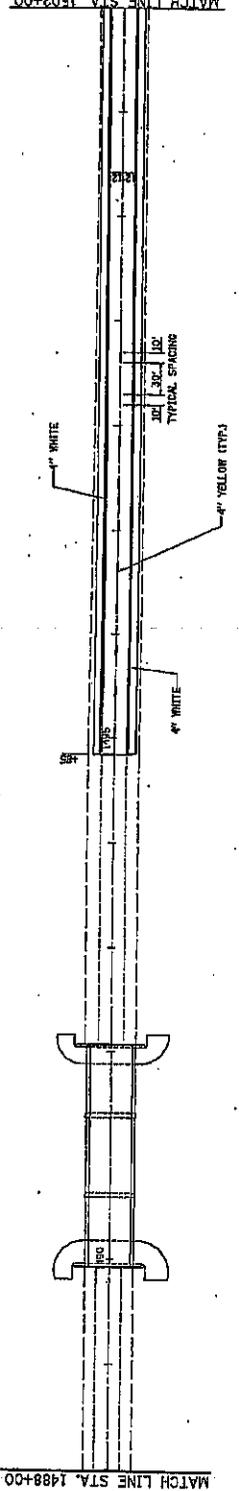
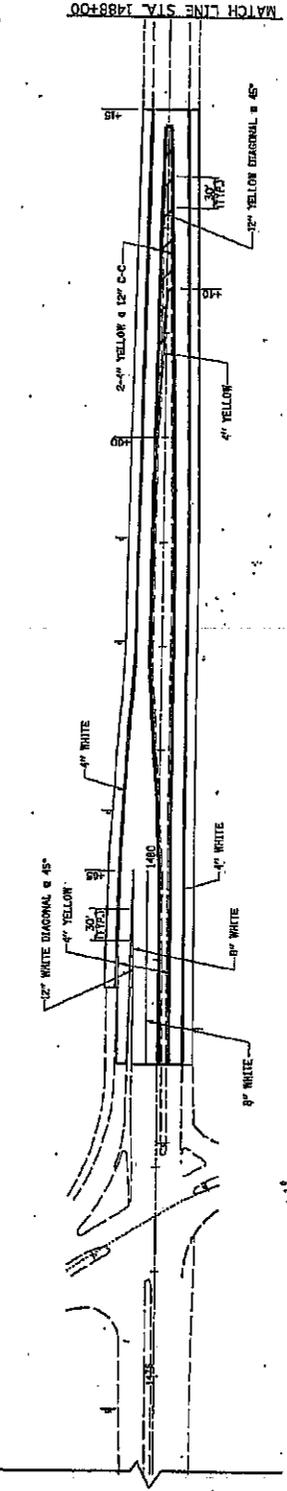
CHECKED BY: \_\_\_\_\_

FOR REFERENCE ONLY

- LEGEND
- ◁ ONE-WAY CLEAR
  - ▶ ONE-WAY AMBER
  - ◆ TWO-WAY AMBER

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 CHICAGO, ILLINOIS 60626





**NOTES:**

1. ALL PAVEMENT MARKINGS SHALL BE IN CONFORMANCE WITH THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. ALL MARKINGS SHALL BE THERMOPLASTIC LINES.
2. DIMENSIONS TO PAVEMENT MARKINGS SHALL BE TO THE CENTER OF A SINGLE LINE OR TO THE CENTER OF THE GAP FOR DOUBLE LINES UNLESS OTHERWISE NOTED.
3. ALL DIMENSIONS GIVEN ARE TO THE EDGE OF PAVEMENT AND ARE REFERENCED TO THE STREET OR SHOULDER. THE MARKINGS ARE TO BE APPLIED UNLESS OTHERWISE NOTED.
4. EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED PAVEMENT MARKINGS ARE TO BE REMOVED AS DIRECTED BY THE ENGINEER.
5. ALL EDGE LINES SHALL BE LOCATED ON THE SHOULDER, 2 INCHES FROM EDGE OF PAVEMENT, AS SHOWN ON THE TYPICAL PAVEMENT MARKING STANDARD.

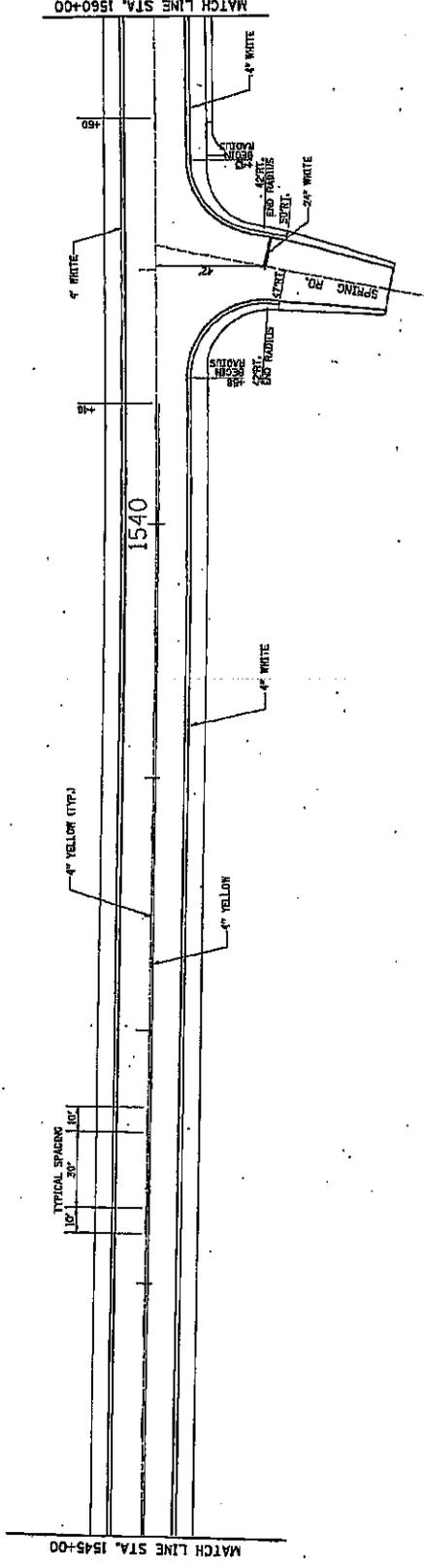
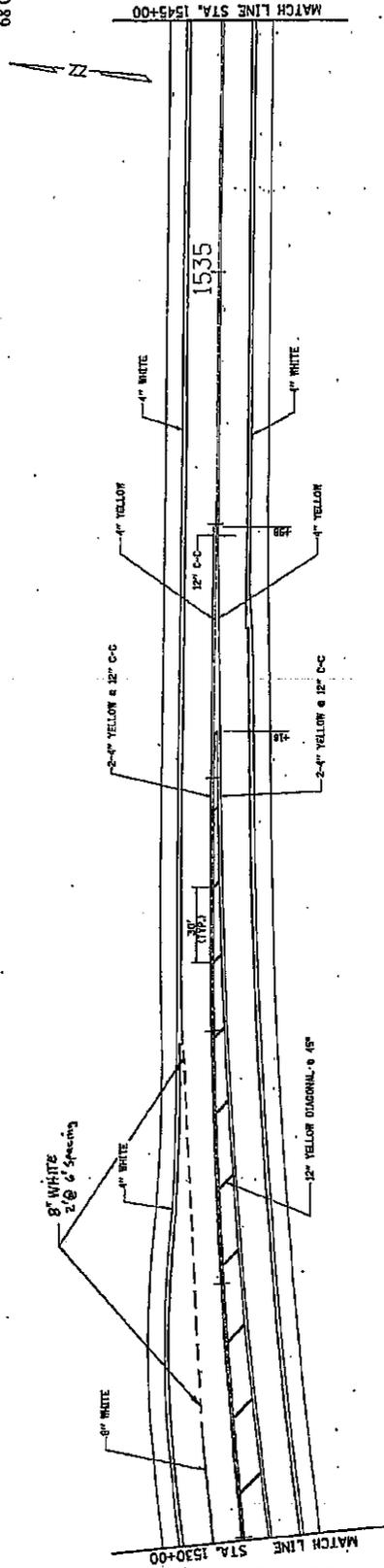
REVISIONS		DESIGNED BY	CHECKED BY	DATE
NO.	DATE	BY	BY	DATE

**WVP CORPORATION**  
CONCRETE - STEELWORK - ELECTRICAL

**PAVEMENT MARKING STA. 1470+00 TO STA. 1517+00**  
 F.A. 525 U.S. ROUTE 201  
 SECTION 13 RS-1 JOB NO. P-92-086-90  
 BOONE COUNTY

**FOR REFERENCE ONLY**





 <b>WVP CORPORATION</b> <small>CHICAGO - ST. LOUIS - PEORIA</small>		<b>REVISIONS</b> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>CHKD BY</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		NO.	DATE	BY	CHKD BY					PROJECT NO. C-0808 DATE 11/28/90 DRAWN BY MEK	SHEET NO. 68 OF 84
		NO.	DATE	BY	CHKD BY								
PAVEMENT MARKING STA. 1530+00 TO STA. 1542+00 F.A. 525 (U.S. ROUTE 20) SECTION 13 RS-1 JOB NO. P-92-086-90 BOONE COUNTY		CHECKED BY MEK DATE 11/28/90 DRAWN BY MEK		PROJECT NO. C-0808 DATE 11/28/90 DRAWN BY MEK	SHEET NO. 68 OF 84								

FOR REFERENCE ONLY

MATCH LINE STA. 1557+00

4" WHITE  
4" YELLOW (TYP.)  
4" WHITE

4" YELLOW

4" YELLOW (TYP.)

4" WHITE

4" WHITE

MATCH LINE STA. 1542+00

10' TYPICAL SPACING  
10' TYPICAL SPACING

STATION 1564+00 TO STATION 1630+00  
6,200' - 4" WHITE EDGE LINE BOTH SIDES  
1,550' - 4" YELLOW DASH LINE ON E. OF PAVEMENT

MATCH LINE STA. 1630+00

4" YELLOW

4" WHITE

4" WHITE

4" YELLOW (TYP.)

MATCH LINE STA. 1557+00

10' TYPICAL SPACING  
10' TYPICAL SPACING



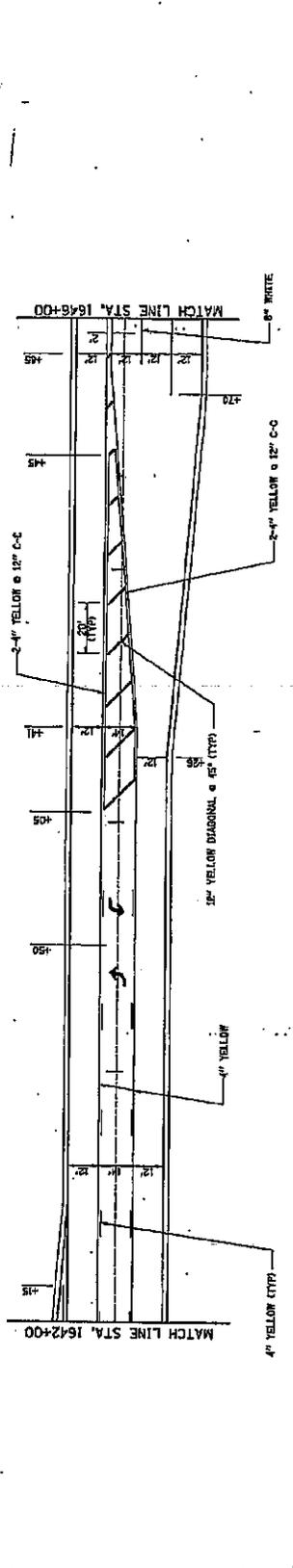
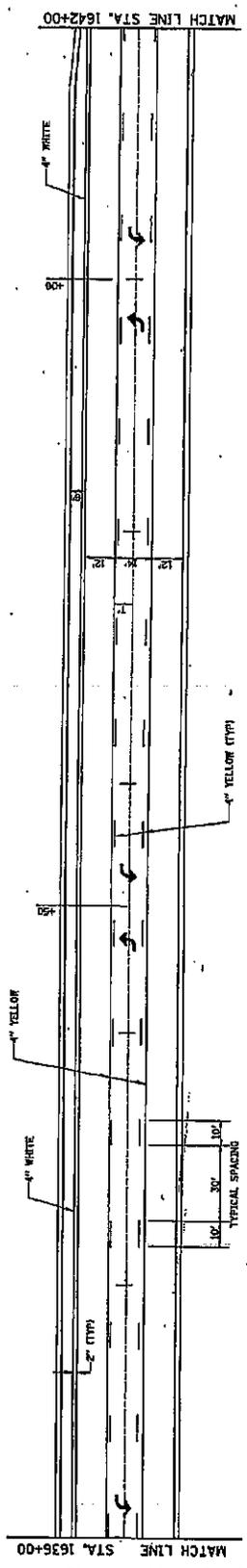
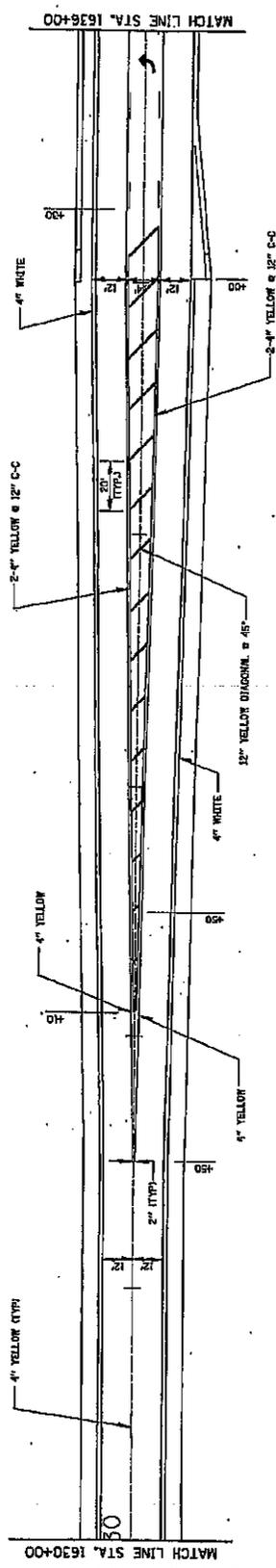
PAVEMENT MARKING STA. 1542+00 TO STA. 1630+00

F.A. 525 (U.S. ROUTE 20)  
SECTION 13 RS-1 JOB NO. P-92-086-90  
BOONE COUNTY

REVISIONS		DATE	BY	CHK'D BY	DATE

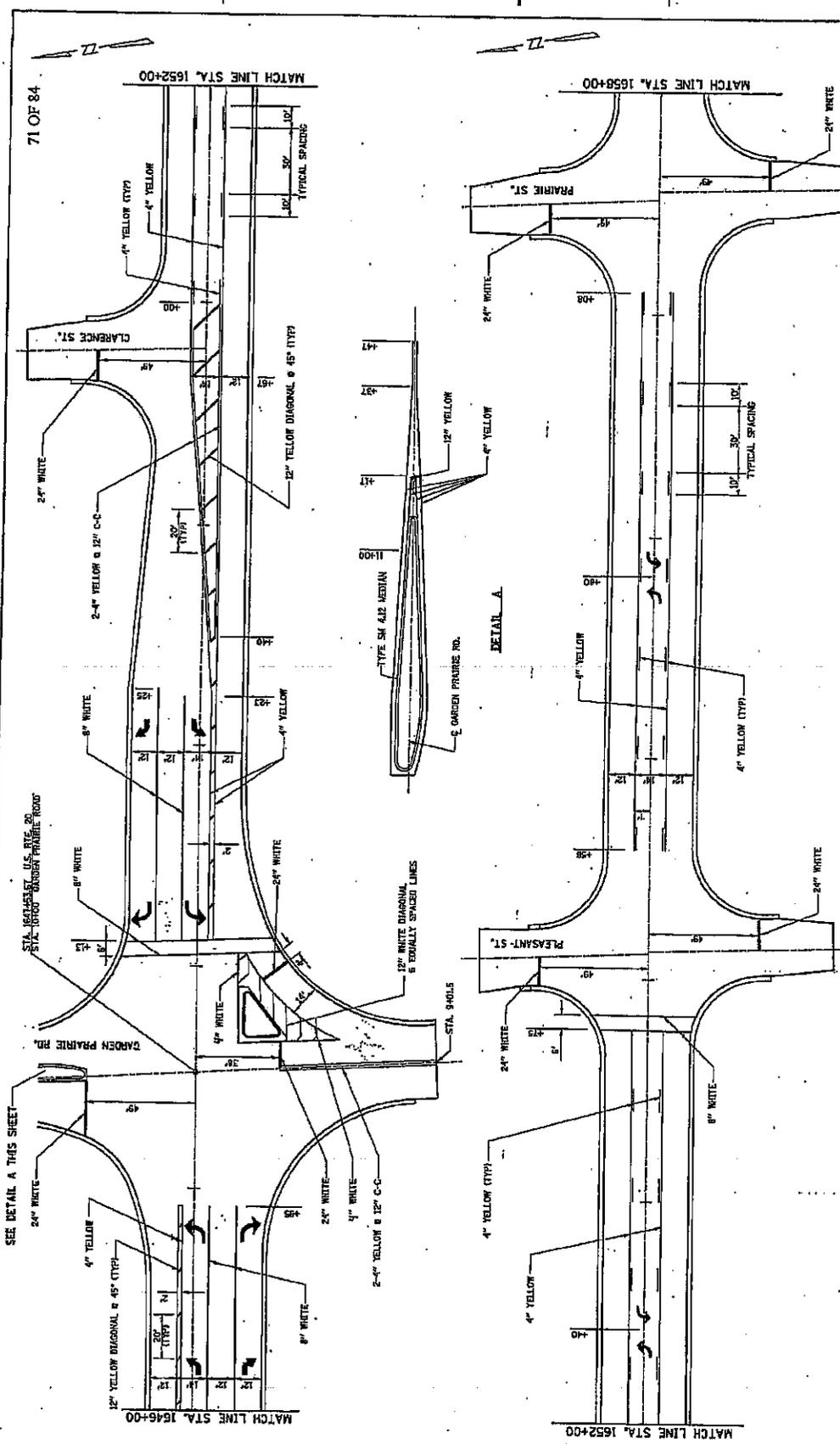
NO.	DATE	BY	CHK'D BY	DATE

FOR REFERENCE ONLY



<p>WVP CORPORATION CHICAGO - ST. LOUIS - INDIANAPOLIS</p>		<p>PAVEMENT MARKING STA. 1630+00 TO STA. 1646+00</p> <p>F.A. 525 (U.S. ROUTE 20)</p> <p>SECTION 13 RS-1 JOB NO. P-92-086-90</p> <p>BOONE COUNTY</p>		<p>DATE: 11/93</p> <p>BY: [Signature]</p>							
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DATE	BY	DESCRIPTION					<p>PROJECT NO. 021062</p> <p>DATE: 11/93</p> <p>SCALE: 1"=20'</p> <p>DESIGNED BY: [Signature]</p> <p>CHECKED BY: [Signature]</p> <p>DATE: 11/93</p>	
NO.	DATE	BY	DESCRIPTION								

FOR REFERENCE ONLY



**WVP CORPORATION**  
CINCINNATI - ST. LOUIS - DES MOINES

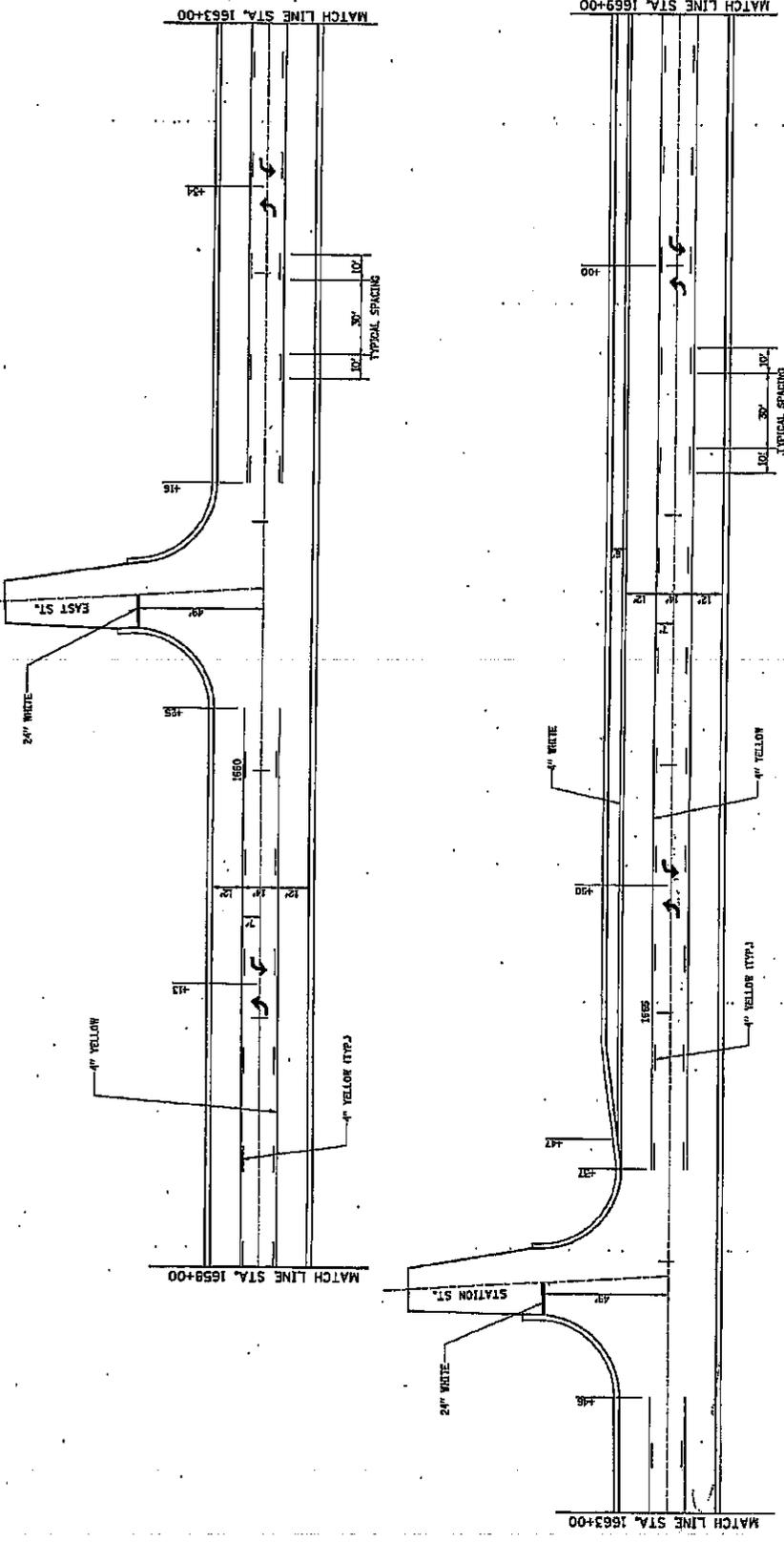
SECTION 13 RS-1  
JOB NO. P-92-086-90  
BOONE COUNTY

REVISIONS		PROJECT NO.	CODED	DATE	BY	DATE	BY

PAVEMENT MARKING STA. 1646+00 TO STA. 1658+00

F.A. 525 (U.S. ROUTE 20)  
SECTION 13 RS-1 JOB NO. P-92-086-90

FOR REFERENCE ONLY



**WVP CORPORATION**  
DESIGN - SURVEY - CONSTRUCTION

**PAVEMENT MARKING STA. 1658+00 TO STA. 1669+00**

F.A. 525 (U.S. ROUTE 20)  
SECTION 13 RS-1 JOB NO. P-92-086-90  
BOONE COUNTY

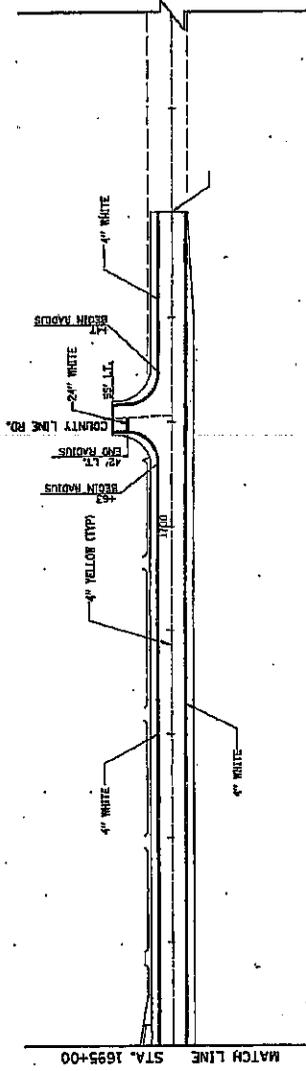
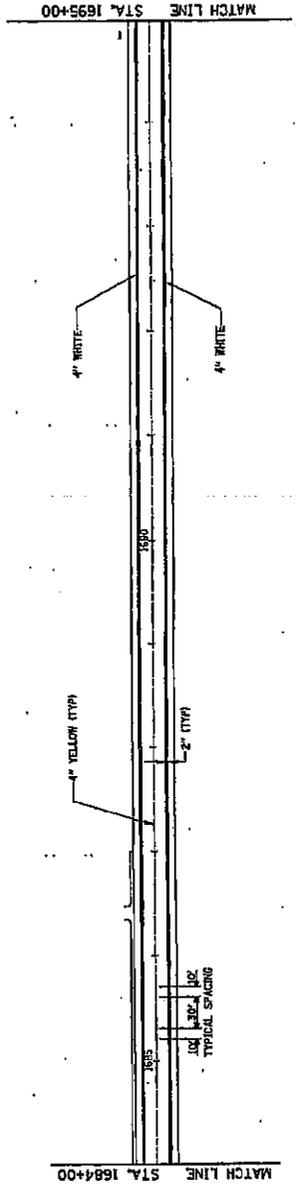
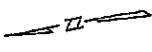
NO.	DATE	BY	REVISIONS

PROJECT NO.	1658060	DATE	11/93
ISSUE NO.	1	DATE	11/93
SCALE	AS SHOWN	DATE	11/93
PROJECT NO.	1658060	DATE	11/93
ISSUE NO.	1	DATE	11/93

SHEET NO. 72 OF 84

FOR REFERENCE ONLY





 <b>WVP CORPORATION</b> <small>CHICAGO - ST. LOUIS - INDIANAPOLIS</small>		<b>REVISIONS</b> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>CHKD.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DATE	BY	CHKD.	DATE						PROJECT NO. C-20860 SCALE HOR. 1"=50' DATE 11/23	DRAWN BY J.S. DATE 11/23 CHECKED BY BEK DATE 11/23	DESIGNER DATE 11/23 PROJECT NO. BEK DATE 11/23	SHEET NO. 74 OF 84
		NO.	DATE	BY	CHKD.	DATE											
PAVEMENT MARKING STA. 1684+00 TO STA. 1710+00		F.A. 525 (U.S. ROUTE 20) SECTION 13 RS-1 BOONE COUNTY		JOB NO. P-92-086-90 BOONE COUNTY	SHEET NO. 74 OF 84												

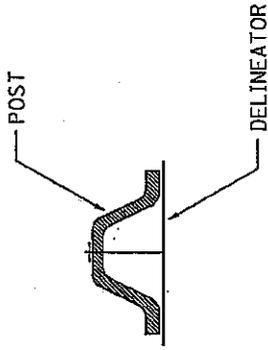
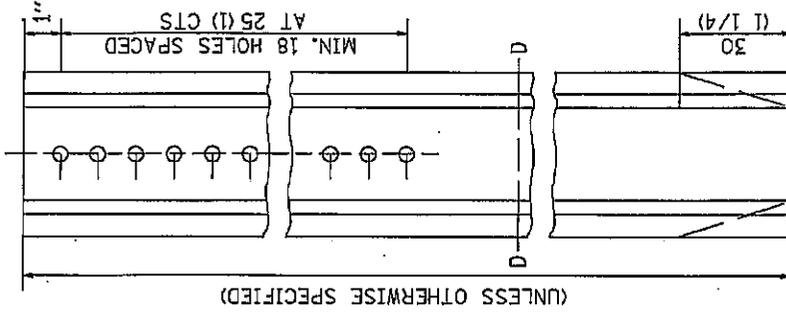
FOR REFERENCE ONLY



# DELINEATOR AND POST ORIENTATION



SECTION D-D



DIRECTION OF TRAFFIC

DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

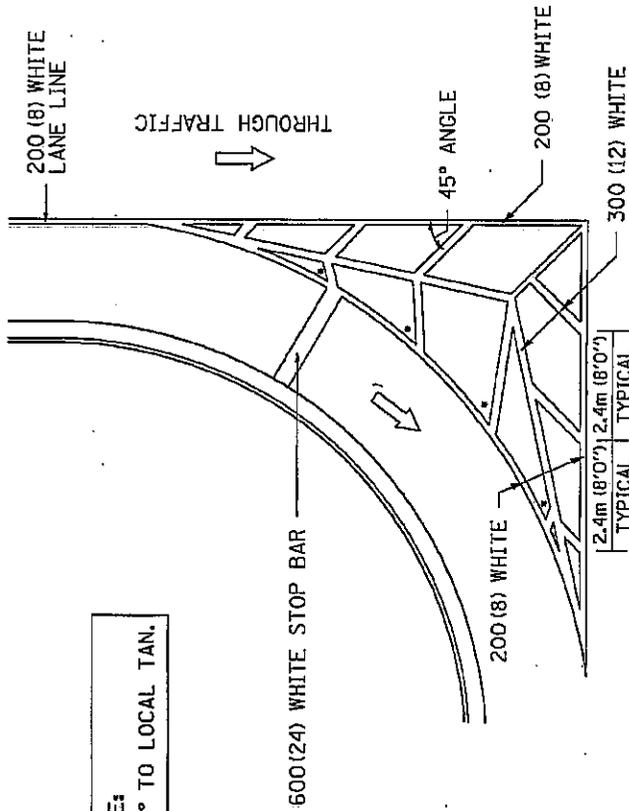
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 11-01-07

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		US 20		TOTAL SHEETS	
		REGION 2 / DISTRICT 2 STANDARD		84	76
SCALE:		SHEET NO. OF SHEETS STA. TO STA.		COUNTY	CONTRACT NO.
				BOONE	64F06
				SECTION	
				(13,14-1) RS-2	
				JOB NO. C-92-115-09	
				FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT
				525	
				F.A. RTE.	
				37.A	

DELINEATOR AND POST ORIENTATION

# TYPICAL MARKING FOR PAINTED ISLANDS



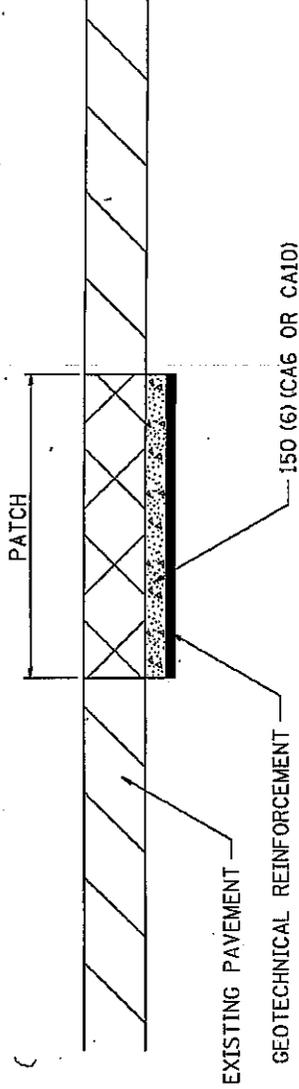
NOTE:  
\* 45° TO LOCAL TAN.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 2-7-05

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		US 20		TOTAL SHEETS		SHEET NO.	
		REGION 2 / DISTRICT 2 STANDARD		84		77	
SCALE:	SHEET NO. OF	SHEETS	STA.	TO STA.	F.A. RTE.	SECTION	COUNTY
					525	(3,14-1) RS-2	BOONE
						JOB NO. C-92-119-09	CONTRACT NO.
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	54F06
<b>TYPICAL MARKING FOR PAINTED ISLANDS 83.4</b>							

# SUBGRADE REPLACEMENT



**NOTES:**

THE CA 6 OR CA 10 SHALL BE COMPACTED IN A MANNER APPROVED BY THE ENGINEER. IF THE MOISTURE CONTENT OF THE MATERIAL IS SUCH THAT COMPACTION SATISFACTORY TO THE ENGINEER CANNOT BE OBTAINED, SUFFICIENT WATER SHALL BE ADDED SO THAT SATISFACTORY COMPACTION CAN BE OBTAINED.

THE CA 6 OR CA 10 WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CU YD FOR GRANULAR SUBGRADE REPLACEMENT

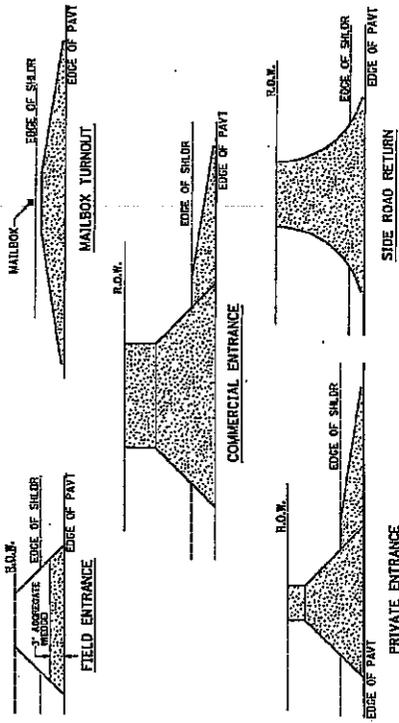
THE GEO TECHNICAL REINFORCEMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ YD FOR GEO TECHNICAL REINFORCEMENT

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 1-05-08

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		US 20 REGION 2 / DISTRICT 2 STANDARD				TOTAL SHEETS 84		SHEET NO. 78		
		SCALE:	SHEET NO. OF	SHEETS	STA.	TO STA.	COUNTY BOONE	CONTRACT NO. 64F06		
						F.A. RTE. 525	SECTION (1344-1) RS-2		ILLINOIS FED. AID PROJECT	
						JOB NO. C-92-19-09		SUBGRADE REPLACEMENT 97.4		

# HOT-MIX ASPHALT APPROACHES & MAILBOX RETURNS FOR TWO LIFT (3P) RESURFACING PROJECTS

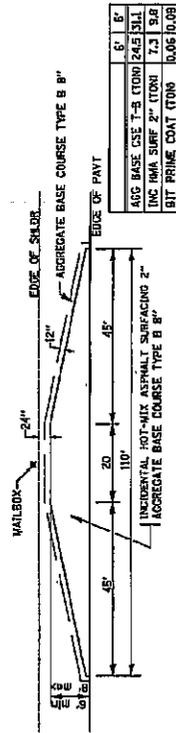


NOTE: EXISTING HMA PE's, CE's, SF's, & 4B TURNOUTS  
Place 2 1/4" Incidental Hot-Mix Asphalt Surfacing \*40800050 on entrance to conform to the existing configuration.

EXISTING AGG. PE's & CE's  
Place 2" Incidental Hot-Mix Asphalt Surfacing \*40800050 on existing entrance to conform to the present configuration.

EXISTING AGG. SIDEROADS  
Place 3" Incidental Hot-Mix Asphalt Surfacing \*40800050 on sideroad to conform to the present configuration.

EXISTING AGG. MAILBOX TURNOUTS  
Existing Agg. Mailbox Turnouts shall be constructed as shown below.



REVISED - 10-6-98

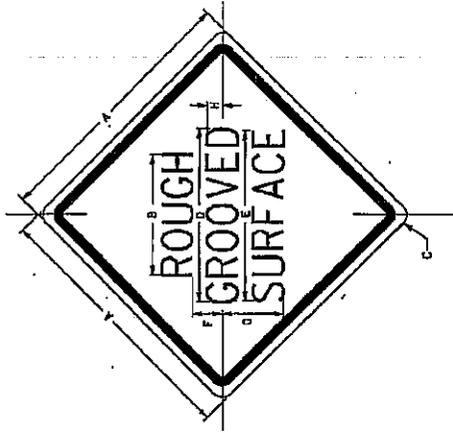
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(13.14-1) RS-2	BOONE	84	79
JOB NO. C-92-119-09		CONTRACT NO.		64F06
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

IIS 20		REGION 2 / DISTRICT 2 STANDARD		TO STA.
SCALE:	SHEET NO.	OF	SHEETS	STA.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

# ROUGH GROOVED SURFACE SIGN

ILLINOIS STANDARD WB-II07  
SIGN PANEL TYPE 1



COLOR: LEGEND AND BORDER - BLACK NON-REFLECTIVE  
BACKGROUND - CRANNE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
200x1200	1200	600	75	850	825	150	325	88
(48x48)	(48.0)	(24.1)	(3.0)	(34.0)	(33.0)	(6.0)	(13.0)	(3.5)

SIGN SIZE	SERIES LINES			MARGIN		BORDER		BLANK STD.
	1	2	3	TC	TC	TC	TC	
200x1200				20	20	30	30	
(48x48)				(0.8)	(0.8)	(1.2)	(1.2)	B4-48D

ALL DIMENSIONS IN INCHES.

REVISION - 1-03-08

### GENERAL NOTES

SIGN PANELS AND FACE MATERIALS SHALL BE AS SHOWN AND SPECIFIED IN THE STANDARD SPECIFICATIONS FOR METAL POSTS SHALL BE IN ACCORDANCE WITH STD. 720011.

ALL MOUNTING HARDWARE SHALL BE ALUMINUM, STAINLESS STEEL, ZINC OR CHROMIUM PLATED STEEL AND SHALL BE INCLUDED TO THE COST OF THE INSTALLATION.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS UNLESS OTHERWISE NOTED.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

US 20  
REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(1314-1) RS-2	BOONE	84	80
JOB NO. C-92-119-09			CONTRACT NO.	64F05
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

ROUGH GROOVED SURFACE SIGN

912

# STORM WATER POLLUTION PREVENTION PLAN EROSION CONTROL PLAN

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE SILTATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME; THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THE PLANS. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

**SITE DESCRIPTION**

**DESCRIPTION OF CONSTRUCTION ACTIVITY:**

THIS PROJECT CONSISTS OF COLD MILLING, PAVEMENT PATCHING, OVERLAYING, AND HOT-MIX ASPHALT RESURFACING OF US 20 AND THE SIDE STREETS

DESCRIPTION OF INTENDED SEQUENCE OF ACTIVITIES:  
THE SEQUENCE OF EVENTS ARE AS FOLLOWS: CLEARING, EMBANKMENT, EXCAVATION, GRADING AND PAYING. THIS PROJECT WILL BE CONSTRUCTED IN SEGMENTS AS SHOWN IN THE "STAGING PLANS".

TOTAL CONSTRUCTION SITE (CONSTRUCTION LIMIT TO CONSTRUCTION LIMIT) 31.97 ACRES  
PROPOSED R.O.W (TOTAL PARCEL AREA) 0.0 ACRES  
DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) 31.97 ACRES

5-6-04

SUPPORTING REPORTS AND PLANS  
THE FOLLOWING ASSISTED IN DEVELOPING THE EROSION CONTROL PLAN AS REFERENCED DOCUMENTS:

- SOIL PROFILE SHEETS, SOILS REPORTS, BORING LOGS
- USGS DRAINAGE MAPS, PROJECT PLAN DOCUMENTS
- DRAINAGE TRIBUTARIES RECEIVING WATER FROM CONSTRUCTION SITE
- COON CREEK & KISHWAUKEE RIVER

EROSION CONTROLS AND SEDIMENT CONTROL PROCEDURES  
STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION  
PERIMETER EROSION CONTROL SHALL BE PLACED PRIOR TO BEGINNING EARTHWORK.

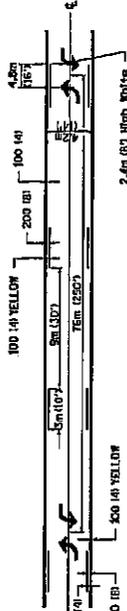
STABILIZATION PRACTICES DURING CONSTRUCTION:  
AS EARTH EXCAVATION AND EMBANKMENT ARE BEING COMPLETED THE CONTRACTOR SHALL PLACE DITCH CHECKS, INLET AND PIPE PROTECTION, EROSION CONTROL BLANKET, AND SEEDING AS STAGES OF THE PROJECT ARE COMPLETED. PERIMETER EROSION BARRIER WILL BE INSTALLED AT ADDITIONAL LOCATIONS AS THE PROJECT PROGRESSES. SEEDING SHALL BE COMPLETED AS SPECIFIED IN THE EROSION CONTROL/SEEDING MOBILIZATION AND TEMPORARY SEEDING SPECIAL PROVISIONS.

MAINTENANCE AFTER FINAL GRADING  
TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDING AND ESTABLISHED WITH THE PROPER STAND. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP AND DISTURBED TURF RESEEDING.

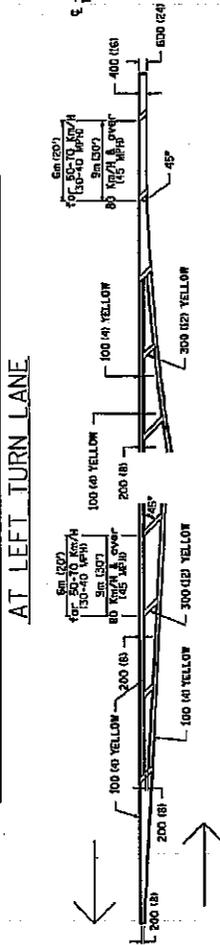
<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>US 20 REGION 2 / DISTRICT 2 STANDARD</b>		SECTION 03.14-1D RS-2	COUNTY BOONE	TOTAL SHEETS 84	SHEET NO. 81
SCALE:		SHEET NO. OF	STA.	JOB NO. C-92-115-09	CONTRACT NO. 64F06		
TO STA.				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

# TYPICAL PAVEMENT MARKINGS

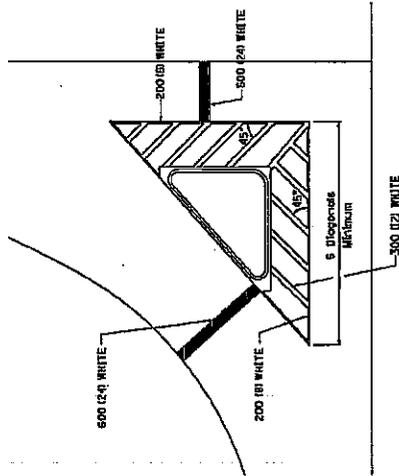
## MEDIAN PAVEMENT MARKING



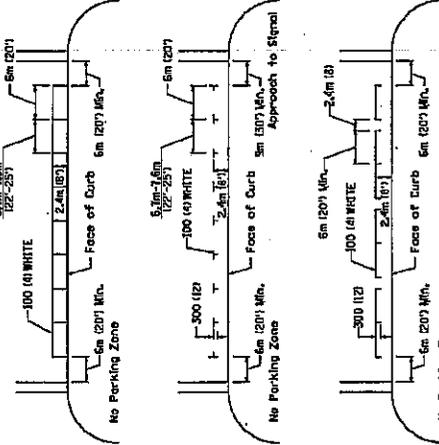
## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE



## TYPICAL ISLAND OFFSET SHOULDER WIDTH

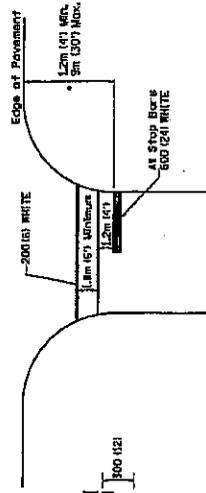


## TYPICAL PARKING SPACING



## STANDARD CROSSWALK MARKING

See Schedules for Locations



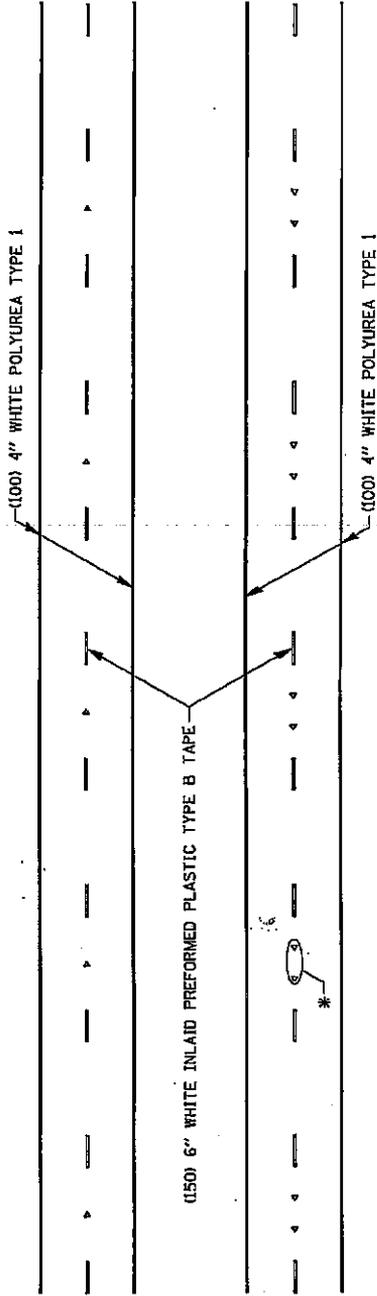
\* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

REVISED - 10-2-08

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		US 20 REGION 2 / DISTRICT 2 STANDARD		SECTION 03.14-1 RS-2		COUNTY BOONE		TOTAL SHEET NO. 84	
SCALE:		SHEET NO. OF SHEETS STA.		JOB NO. C-92-119-09		CONTRACT NO. 64F06		CONTRACT NO. 64F06	
		TO STA.		ILLINOIS FED. AID PROJECT		SHEET 1 OF 3		41.1	

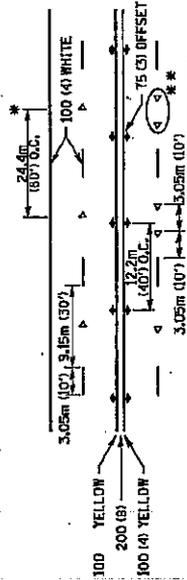


# TYPICAL PAVEMENT MARKINGS



\* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS,  
USE DOUBLE MARKERS WHEN ADT ≥ 25,000.

## MULTI-LANE / DIVIDED

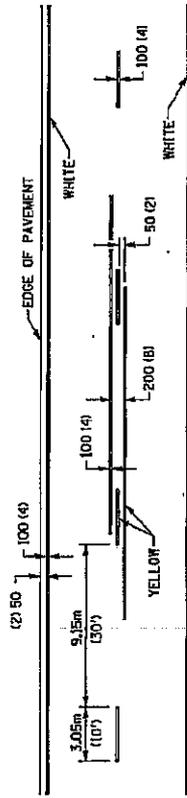


\* REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE  
15km/h (10mph) LOWER THAN POSTED SPEEDS.

\*\* USE DOUBLE MARKERS WHEN ADT ≥ 25,000

## MULTI-LANE / UNDIVIDED

## TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION -- NO PASSING ZONES



## SYMBOLS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		US 20 REGION 2 / DISTRICT 2 STANDARD		F.A. R.T.E. 525		SECTION (13.14-1) RS-2		COUNTY BOONE		TOTAL SHEETS B4 B4	
SCALE:		SHEET NO. OF SHEETS		TO STA.		JDD NO. C-92-(19-09)		CONTRACT NO. G4F06		SHEET NO. 64F06	
						FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		TYPICAL PAVEMENT MARKINGS SHEET 3 OF 3	

**REQUIRED CONTRACT PROVISIONS  
FEDERAL-AID CONSTRUCTION CONTRACTS**

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**ATTACHMENTS**

- A. Employment Preference for Appalachian Contracts  
(included in Appalachian contracts only)

**I. GENERAL**

1. These contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.
2. Except as otherwise provided for in each section, the contractor shall insert in each subcontract all of the stipulations contained in these Required Contract Provisions, and further require their inclusion in any lower tier subcontract or purchase order that may in turn be made. The Required Contract Provisions shall not be incorporated by reference in any case. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with these Required Contract Provisions.
3. A breach of any of the stipulations contained in these Required Contract Provisions shall be sufficient grounds for termination of the contract.
4. A breach of the following clauses of the Required Contract Provisions may also be grounds for debarment as provided in 29 CFR 5.12:
  - Section I, paragraph 2;
  - Section IV, paragraphs 1, 2, 3, 4 and 7;
  - Section V, paragraphs 1 and 2a through 2g.
5. Disputes arising out of the labor standards provisions of Section IV (except paragraph 5) and Section V of these Required Contract Provisions shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the U.S. Department of Labor (DOL) as set forth in 29 CFR 5, 6 and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the DOL, or the contractor's employees or their representatives.
6. Selection of Labor: During the performance of this contract, the contractor shall not:
  - a. Discriminate against labor from any other State, possession, or territory of the United States (except for employment preference for Appalachian contracts, when applicable, as specified in Attachment A), or
  - b. Employ convict labor for any purpose within the limits of the project unless it is labor performed by convicts who are on parole, supervised release, or probation.

**II. NONDISCRIMINATION**

(Applicable to all Federal-aid construction contracts and to all related subcontracts of \$10,000 or more.)

**1. Equal Employment Opportunity:** Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630 and 41 CFR 60 (and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The Equal Opportunity Construction Contract Specifications set forth under 41 CFR 60-4.3 and the provisions of the American Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

- a. The contractor will work with the State highway agency (SHA) and the Federal Government in carrying out EEO obligations and in their review of his/her activities under the contract.
- b. The contractor will accept as his operating policy the following statement: "It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, preapprenticeship, and/or on-the-job-training."

**2. EEO Officer:** The contractor will designate and make known to the SHA contracting officers an EEO Officer who will have the responsibility for an must be capable of effectively administering and promoting an active contractor program of EEO and who must be assigned adequate authority and responsibility to do so.

**3. Dissemination of Policy:** All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

- a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.
- b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.
- c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minority group employees.
- d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.
- e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

**4. Recruitment:** When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minority groups in the area from which the project work force would normally be derived.

- a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employees referral sources likely to yield qualified minority group applicants. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish which such identified sources procedures whereby minority group applicants may be referred to the contractor for employment consideration.
- b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, he is expected to observe the provisions of that agreement to the extent that the system permits the contractor's compliance with EEO contract provisions. (The DOL has held that where implementation of such agreements have the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Executive Order 11246, as amended.)
- c. The contractor will encourage his present employees to refer minority group applicants for employment. Information and procedures with regard to referring minority group applicants will be discussed with employees.

**5. Personnel Actions:** Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

- a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.
- b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.
- c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.
- d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with his obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of his avenues of appeal.

**6. Training and Promotion:**

- a. The contractor will assist in locating, qualifying, and increasing the skills of minority group and women employees, and applicants for employment.
- b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. Where feasible, 25 percent of apprentices or trainees in each occupation shall be in their first year of apprenticeship or training. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision.
- c. The contractor will advise employees and applicants for employment of available training programs and entrance

requirements for each.

d. The contractor will periodically review the training and promotion potential of minority group and women employees and will encourage eligible employees to apply for such training and promotion.

**7. Unions:** If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use his/her best efforts to obtain the cooperation of such unions to increase opportunities for minority groups and women within the unions, and to effect referrals by such unions of minority and female employees. Actions by the contractor either directly or through a contractor's association acting as agent will include the procedures set forth below:

- a. The contractor will use best efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minority group members and women for membership in the unions and increasing the skills of minority group employees and women so that they may qualify for higher paying employment.
- b. The contractor will use best efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.
- c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the SHA and shall set forth what efforts have been made to obtain such information.
- d. In the event the union is unable to provide the contractor with a reasonable flow of minority and women referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or quailifiable minority group persons and women. (The DOL has held that it shall be no excuse that the union with which the contractor has a collective bargaining agreement providing for exclusive referral failed to refer minority employees.) In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the SHA.

**8. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment:** The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment.

- a. The contractor shall notify all potential subcontractors and suppliers of his/her EEO obligations under this contract.
- b. Disadvantaged business enterprises (DBE), as defined in 49 CFR 23, shall have equal opportunity to compete for and perform subcontracts which the contractor enters into pursuant to this contract. The contractor will use his best efforts to solicit bids from and to utilize DBE subcontractors or subcontractors with meaningful minority group and female representation among their employees. Contractors shall obtain lists of DBE construction firms from SHA personnel.
- c. The contractor will use his best efforts to ensure subcontractor compliance with their EEO obligations.

**9. Records and Reports:** The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following completion of the contract work and shall be available at reasonable times and places for inspection by authorized representatives of the SHA and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women;

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minority and female employees; and

(4) The progress and efforts being made in securing the services of DBE subcontractors or subcontractors with meaningful minority and female representation among their employees.

b. The contractors will submit an annual report to the SHA each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on Form FHWA-1391. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data.

### III. NONSEGREGATED FACILITIES

(Applicable to all Federal-aid construction contracts and to all related subcontracts of \$10,000 or more.)

a. By submission of this bid, the execution of this contract or subcontract, or the consummation of this material supply agreement or purchase order, as appropriate, the bidder, Federal-aid construction contractor, subcontractor, material supplier, or vendor, as appropriate, certifies that the firm does not maintain or provide for its employees any segregated facilities at any of its establishments, and that the firm does not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. The firm agrees that a breach of this certification is a violation of the EEO provisions of this contract. The firm further certifies that no employee will be denied access to adequate facilities on the basis of sex or disability.

b. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, timeclocks, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive, or are, in fact, segregated on the basis of race, color, religion, national origin, age or disability, because of habit, local custom, or otherwise. The only exception will be for the disabled when the demands for accessibility override (e.g. disabled parking).

c. The contractor agrees that it has obtained or will obtain identical certification from proposed subcontractors or material suppliers prior to award of subcontracts or consummation of material supply agreements of \$10,000 or more and that it will retain such certifications in its files.

### IV. PAYMENT OF PREDETERMINED MINIMUM WAGE

(Applicable to all Federal-aid construction contracts exceeding \$2,000 and to all related subcontracts, except for projects located on roadways classified as local roads or rural minor collectors, which are exempt.)

#### 1. General:

a. All mechanics and laborers employed or working upon the site of the work will be paid unconditionally and not less often than once a week and without subsequent deduction or rebate on any account [except such payroll deductions as are permitted by regulations (29 CFR 3) issued by the Secretary of Labor under the Copeland Act (40 U.S.C. 276c)] the full amounts of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment. The payment shall be computed at wage rates not less than those contained in the wage determination of the Secretary of Labor (hereinafter "the wage determination") which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor or its subcontractors and such laborers and mechanics. The wage determination (including any additional classifications and wage rates conformed under paragraph 2 of this Section IV and the DOL poster (WH-1321) or Form FHWA-1495) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers. For the purpose of this Section, contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act (40 U.S.C. 276a) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of Section IV, paragraph 3b, hereof. Also, for the purpose of this Section, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs, which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in paragraphs 4 and 5 of this Section IV.

b. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein, provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed.

c. All rulings and interpretations of the Davis-Bacon Act and related acts contained in 29 CFR 1, 3, and 5 are herein incorporated by reference in this contract.

#### 2. Classification:

a. The SHA contracting officer shall require that any class of laborers or mechanics employed under the contract, which is not listed in the wage determination, shall be classified in conformance with the wage determination.

b. The contracting officer shall approve an additional classification, wage rate and fringe benefits only when the following criteria have been met:

(1) the work to be performed by the additional classification requested is not performed by a classification in the wage determination;

(2) the additional classification is utilized in the area by the construction industry;

(3) the proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination; and

(4) with respect to helpers, when such a classification prevails in the area in which the work is performed.

c. If the contractor or subcontractors, as appropriate, the laborers and mechanics (if known) to be employed in the additional classification or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the DOL, Administrator of the Wage and Hour Division, Employment Standards Administration, Washington, D.C. 20210. The Wage and Hour Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

d. In the event the contractor or subcontractors, as appropriate, the laborers or mechanics to be employed in the additional classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the question, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. Said Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

e. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 2c or 2d of this Section IV shall be paid to all workers performing work in the additional classification from the first day on which work is performed in the classification.

### 3. Payment of Fringe Benefits:

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

b. If the contractor or subcontractor, as appropriate, does not make payments to a trustee or other third person, he/she may consider as a part of the wages of any laborer or mechanic the amount of any cost reasonably anticipated in providing bona fide fringe benefits under a plan or program, provided that the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

### 4. Apprentices and Trainees (Programs of the U.S. DOL) and Helpers:

a. Apprentices:

(1) Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the DOL, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State apprenticeship agency recognized by the Bureau, or if a person is employed in his/her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a State apprenticeship agency (where appropriate) to be eligible for probationary employment as an apprentice.

(2) The allowable ratio of apprentices to journeyman-level employees on the job site in any craft classification shall not

be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any employee listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate listed in the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor or subcontractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman-level hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

(3) Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeyman-level hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator for the Wage and Hour Division determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

(4) In the event the Bureau of Apprenticeship and Training, or a State apprenticeship agency recognized by the Bureau, withdraws approval of an apprenticeship program, the contractor or subcontractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the comparable work performed by regular employees until an acceptable program is approved.

b. Trainees:

(1) Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the DOL, Employment and Training Administration.

(2) The ratio of trainees to journeyman-level employees on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(3) Every trainee must be paid at not less than the rate specified in the approved program for his/her level of progress, expressed as a percentage of the journeyman-level hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman-level wage rate on the wage determination which provides for less than full fringe benefits for apprentices, in which cases such trainees shall receive the same fringe benefits as apprentices.

(4) In the event the Employment and Training Administration withdraws approval of a training program, the contractor or subcontractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

**c. Helpers:**

Helpers will be permitted to work on a project if the helper classification is specified and defined on the applicable wage determination or is approved pursuant to the conformance procedure set forth in Section IV. 2. Any worker listed on a payroll at a helper wage rate, who is not a helper under a approved definition, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed.

**5. Apprentices and Trainees (Programs of the U.S. DOT):**

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

**6. Withholding:**

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

**7. Overtime Requirements:**

No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers, mechanics, watchmen, or guards (including apprentices, trainees, and helpers described in paragraphs 4 and 5 above) shall require or permit any laborer, mechanic, watchman, or guard in any workweek in which he/she is employed on such work, to work in excess of 40 hours in such workweek unless such laborer, mechanic, watchman, or guard receives compensation at a rate not less than one-and-one-half times his/her basic rate of pay for all hours worked in excess of 40 hours in such workweek.

**8. Violation:**

Liability for Unpaid Wages; Liquidated Damages: In the event of any violation of the clause set forth in paragraph 7 above, the contractor and any subcontractor responsible thereof shall be liable to the affected employee for his/her unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory) for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer, mechanic, watchman, or guard employed in violation of the clause set forth in paragraph 7, in the sum of \$10

for each calendar day on which such employee was required or permitted to work in excess of the standard work week of 40 hours without payment of the overtime wages required by the clause set forth in paragraph 7.

**9. Withholding for Unpaid Wages and Liquidated Damages:**

The SHA shall; upon its own action or upon written request of any authorized representative of the DOL withhold, or cause to be withheld, from any monies payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph 8 above.

**V. STATEMENTS AND PAYROLLS**

(Applicable to all Federal-aid construction contracts exceeding \$2,000 and to all related subcontracts, except for projects located on roadways classified as local roads or rural collectors, which are exempt.)

**1. Compliance with Copeland Regulations (29 CFR 3):**

The contractor shall comply with the Copeland Regulations of the Secretary of Labor which are herein incorporated by reference.

**2. Payrolls and Payroll Records:**

- a. Payrolls and basic records relating thereto shall be maintained by the contractor and each subcontractor during the course of the work and preserved for a period of 3 years from the date of completion of the contract for all laborers, mechanics, apprentices, trainees, watchmen, helpers, and guards working at the site of the work.
- b. The payroll records shall contain the name, social security number, and address of each such employee; his or her correct classification; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalent thereof the types described in Section 1(b)(2)(B) of the Davis Bacon Act); daily and weekly number of hours worked; deductions made; and actual wages paid. In addition, for Appalachian contracts, the payroll records shall contain a notation indicating whether the employee does, or does not, normally reside in the labor area as defined in Attachment A, paragraph 1. Whenever the Secretary of Labor, pursuant to Section IV, paragraph 3b, has found that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in Section 1(b)(2)(B) of the Davis Bacon Act, the contractor and each subcontractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, that the plan or program has been communicated in writing to the laborers or mechanics affected, and show the cost anticipated or the actual cost incurred in providing benefits. Contractors or subcontractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprentices and trainees, and ratios and wage rates prescribed in the applicable programs.
- c. Each contractor and subcontractor shall furnish, each week in which any contract work is performed, to the SHA resident engineer a payroll of wages paid each of its employees

(including apprentices trainees, and helpers, described in Section IV, paragraphs 4 and 5, and watchmen and guards engaged on work during the preceding weekly payroll period). The payroll submitted shall set out accurately and completely all of the information required to be maintained under paragraph 2b of this Section V. This information may be submitted in any form desired. Optional Form WH-347 is available for this purpose and may be purchased from the Superintendent of Documents (Federal stock number 029-005-0014-1), U.S. Government Printing Office, Washington, D.C. 20402. The prime contractor is responsible for submitting payroll copies of all subcontractors.

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

(1) that the payroll for the payroll period contains the information required to be maintained under paragraph 2b of this Section V and that such information is correct and complete;

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

(3) that each laborer or mechanic has been paid not less than the applicable wage rate and fringe benefits or cash equivalent for the classification of worked performed, as specified in the applicable wage determination incorporated into the contract.

e. The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 2d of this Section V.

f. The falsification of any of the above certifications may subject the contractor to civil or criminal prosecution under 18 U.S. C. 1001 and 31 U.S.C. 231.

g. The contractor or subcontractor shall make the records required under paragraph 2b of this Section V available for inspection, copying, or transcription by authorized representatives of the SHA, the FHWA, or the DOL, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the SHA, the FHWA, the DOL, or all may, after written notice to the contractor, sponsor, applicant, or owner, take such actions as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

## VI. RECORD OF MATERIALS, SUPPLIES, AND LABOR

1. On all federal-aid contracts on the national highway system, except those which provide solely for the installation of protective devices at railroad grade crossings, those which are constructed on a force account or direct labor basis, highway beautification contracts, and contracts for which the total final construction cost for roadway and bridge is less than \$1,000,000 (23 CFR 635) the contractor shall:

a. Become familiar with the list of specific materials and supplies contained in Form FHWA-47, "Statement of Materials and Labor Used by Contractor of Highway Construction Involving Federal Funds," prior to the commencement of work under this contract.

b. Maintain a record of the total cost of all materials and supplies purchased for and incorporated in the work, and also of the quantities of those specific materials and supplies listed

on Form FHWA-47, and in the units shown on Form FHWA-47.

c. Furnish, upon the completion of the contract, to the SHA resident engineer on Form FHWA-47 together with the data required in paragraph 1b relative to materials and supplies, a final labor summary of all contract work indicating the total hours worked and the total amount earned.

2. At the prime contractor's option, either a single report covering all contract work or separate reports for the contractor and for each subcontract shall be submitted.

## VII. SUBLETTING OR ASSIGNING THE CONTRACT

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the State. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractors' own organization (23 CFR 635).

a. "Its own organization" shall be construed to include only workers employed and paid directly by the prime contractor and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor, assignee, or agent of the prime contractor.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph 1 of Section VII is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the SHA contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the SHA contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the SHA has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

## VIII. SAFETY: ACCIDENT PREVENTION

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the SHA contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 333).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 333).

#### IX. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, the following notice shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

##### NOTICE TO ALL PERSONNEL ENGAGED ON FEDERAL-AID HIGHWAY PROJECTS

18 U.S.C. 1020 reads as follows:

*"Whoever, being an officer, agent or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or*

*Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or*

*Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;*

*Shall be fined not more than \$10,000 or imprisoned not more than 5 years or both."*

#### X. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

(Applicable to all Federal-aid construction contracts and to all related subcontracts of \$100,000 or more).

By submission of this bid or the execution of this contract, or subcontract, as appropriate, the bidder, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any facility that is or will be utilized in the performance of this contract, unless such contract is exempt under the Clean Air Act, as amended (42 U.S.C. 1857 et seq., as amended by Pub.L. 91-604), and under the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et seq., as amended by Pub.L. 92-500), Executive Order 11738, and regulations in implementation thereof (40 CFR 15) is not listed, on the date of contract award, on the U.S. Environmental Protection Agency (EPA) List of Violating Facilities pursuant to 40 CFR 15.20.

2. That the firm agrees to comply and remain in compliance with all the requirements of Section 114 of the Clean Air Act and Section 308 of the Federal Water Pollution Control Act and all regulations and guidelines listed thereunder.

3. That the firm shall promptly notify the SHA of the receipt of any communication from the Director, Office of Federal Activities, EPA indicating that a facility that is or will be utilized for the contract is under consideration to be listed on the EPA List of Violating Facilities.

4. That the firm agrees to include or cause to be included the requirements of paragraph 1 through 4 of this Section X in every nonexempt subcontract, and further agrees to take such action as the government may direct as a means of enforcing such requirements.

#### XI. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

1. Instructions for Certification - Primary Covered Transactions:

(Applicable to all Federal-aid contracts - 49 CFR 29)

- a. By signing and submitting this proposal, the prospective primary participant is providing the certification set out below.
- b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective primary participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.
- c. The certification in this clause is a material representation of fact upon which reliance was placed when the department or agency determined to enter into this transaction. If it is later determined that the prospective primary participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause of default.
- d. The prospective primary participant shall provide immediate written notice to the department or agency to whom this proposal is submitted if any time the prospective primary participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

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

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

g. The prospective primary participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the nonprocurement portion of the "Lists of Parties Excluded from Federal Procurement or Nonprocurement Programs" (Nonprocurement List) which is compiled by the General Services Administration.

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

j. Except for transactions authorized under paragraph f of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

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#### **Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Primary Covered Transactions**

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:

- a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- b. Have not within a 3-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph 1b of this certification; and

d. Have not within a 3-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

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

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#### **2. Instructions for Certification - Lower Tier Covered Transactions:**

(Applicable to all subcontracts, purchase orders and other lower tier transactions of \$25,000 or more - 49 CFR 29)

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

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

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

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

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

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

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

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

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

3. The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

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**Certification Regarding Debarment, Suspension, Ineligibility And Voluntary Exclusion-Lower Tier Covered Transactions:**

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

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

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**XII. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING**

(Applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 - 49 CFR 20)

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

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

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

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

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

**NOTICE**

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

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

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

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

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