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

PREQUALIFICATION

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

REQUESTS FOR AUTHORIZATION TO BID

Contractors 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 an **Authorization to Bid or Not for Bid Report**, approved by the Central Bureau of Construction that indicates which items have been approved For Bidding. If **Authorization to Bid** cannot be approved, the **Authorization to Bid or Not for Bid Report** 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

Technical Questions about downloading these files may be directed to Tim Garman (217)524-1642 or 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?

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

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 and addendum or revision could result in a bid being rejected as irregular.

RETURN WITH BID

Proposal Submitted By
Name
Address
City

149

Letting January 21, 2011

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. 85513
WINNEBAGO County
Section 06-00400-00-RS
Route FAU 5097 (Meridian Road)
Project M-5099(076)
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

Prepared by

Checked by F

(Printed by authority of the State of Illinois)

INSTRUCTIONS

ABOUT IDOT PROPOSALS: All proposals issued by IDOT are potential bidding proposals. Each proposal contains all Certifications and Affidavits, a Proposal Signature Sheet and a Proposal Bid Bond required for Prime Contractors to submit a bid after written **Authorization to Bid** has been issued by IDOT's Central Bureau of Construction. In addition, this proposal contains new statutory requirements applicable to the use of subcontractors and, in particular, includes the State Required Ethical Standards Governing Subcontractors to be signed and incorporated into all subcontracts.

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 "**Authorization to Bid or Not for Bid**" form, 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 **Authorization to Bid or Not for Bid Report**, approved by the Central Bureau of Construction, that indicates which items have been approved For Bidding. If **Authorization to Bid** cannot be approved, the **Authorization to Bid or Not for Bid Report** will indicate the reason for denial. If a contractor has requested to bid but has not received a **Authorization to Bid or Not for Bid Report**, they should contact the Central Bureau of Construction in advance of the letting date.

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

1. All documents from the Proposal Cover Sheet through the Proposal Bid Bond

2. Other special documentation and/or information that may be required by the contract special provisions

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

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

WHO SHOULD BE CALLED IF ASSISTANCE IS NEEDED?

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

RETURN WITH BID

Illinois Department of Transportation

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. 85513
WINNEBAGO County
Section 06-00400-00-RS
Project M-5099(076)
Route FAU 5097 (Meridian Road)
District 2 Construction Funds

Resurface Meridian Road from just south of Cunningham Road to just north of Knapp Road, within the 8.2 mile resurfacing are six intersections to be reconstructed (West State Street, Auburn Road, Safford Road, Dickenson Road, Cemetery Road, and Latham Road).

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

RETURN WITH BID

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

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

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

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

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

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

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

Attach Cashier's Check or Certified Check Here

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

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

Item _____

Section No. _____

County _____

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

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. **AUTHORITY TO DO BUSINESS IN ILLINOIS.** Section 20-43 of the Illinois Procurement Code (30 ILCS 500/20-43) provides that a person (other than an individual acting as a sole proprietor) must be a legal entity authorized to do business in the State of Illinois prior to submitting the bid.

9. **The services of a subcontractor will or may be used.**

Check box Yes ☐
Check box No ☐

For known subcontractors with subcontracts with an annual value of more than $25,000, the contract shall include their name, address, and the dollar allocation for each subcontractor.

_____

_____

COUNTY NAME	CODE	DIST	SECTION NUMBER	PROJECT NUMBER	ROUTE
WINNEBAGO	201	02	06-00400-00-RS	M-5099/076/000	FAU 5097

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		UNIT PRICE DOLLARS	UNIT PRICE CENTS		TOTAL PRICE DOLLARS	TOTAL PRICE CTS
XX003163	EM VEH PR SYS	EACH	1.000	X			=		
X0322903	SAW CUTTING (FD)	FOOT	4,236.000	X			=		
X0322923	SEGMENT CONC BLK WALL	SQ FT	412.000	X			=		
X0322936	REMOV EX FLAR END SEC	EACH	1.000	X			=		
X0323481	VIDEO VEH DET 4 CAM	EACH	1.000	X			=		
X2111100	TOPSOIL EXC & PLAC SP	CU YD	8,115.300	X			=		
X6060500	CORRUGATED MED REM	SQ FT	2,439.000	X			=		
X6063600	COMB CC&G TM4.24	FOOT	7,096.000	X			=		
X6064201	COMB CC&G TM4.06	FOOT	279.000	X			=		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000	X			=		
Z0033084	EC C GROUND 6 1C GRN	FOOT	536.000	X			=		
Z0055300	RUMBLE STRIP	EACH	8.000	X			=		
Z0075310	TIE BARS 3/4	EACH	956.000	X			=		
20100110	TREE REMOV 6-15	UNIT	88.000	X			=		
20100210	TREE REMOV OVER 15	UNIT	65.000	X			=		

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		UNIT PRICE DOLLARS		UNIT PRICE CENTS		TOTAL PRICE DOLLARS	TOTAL PRICE CTS
20100500	TREE REMOV ACRES	ACRE	0.400	X				=		
20200100	EARTH EXCAVATION	CU YD	45,768.700	X				=		
20200600	EXC & GR EX SHOULDER	UNIT	122.200	X				=		
20201200	REM & DISP UNS MATL	CU YD	2,400.000	X				=		
20800150	TRENCH BACKFILL	CU YD	1,113.000	X				=		
21001000	GEOTECH FAB F/GR STAB	SQ YD	2,000.000	X				=		
25000210	SEEDING CL 2A	ACRE	11.200	X				=		
25000400	NITROGEN FERT NUTR	POUND	1,003.200	X				=		
25000500	PHOSPHORUS FERT NUTR	POUND	1,003.200	X				=		
25000600	POTASSIUM FERT NUTR	POUND	1,003.200	X				=		
25100115	MULCH METHOD 2	ACRE	11.200	X				=		
25100630	EROSION CONTR BLANKET	SQ YD	23,484.500	X				=		
28000200	EARTH EXC - EROS CONT	CU YD	200.000	X				=		
28000250	TEMP EROS CONTR SEED	POUND	824.500	X				=		
28000305	TEMP DITCH CHECKS	FOOT	2,180.000	X				=		

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		UNIT PRICE DOLLARS	UNIT PRICE CENTS		TOTAL PRICE DOLLARS	TOTAL PRICE CTS
28000315	AGG DITCH CHECKS	TON	125.000	X			=		
28000400	PERIMETER EROS BAR	FOOT	9,147.000	X			=		
28000500	INLET & PIPE PROTECT	EACH	60.000	X			=		
28100703	STONE DUMP RIP CL A2	SQ YD	405.300	X			=		
28200200	FILTER FABRIC	SQ YD	305.000	X			=		
31101100	SUB GRAN MAT B	CU YD	2,400.000	X			=		
35101400	AGG BASE CSE B	TON	40,656.900	X			=		
35300400	PCC BSE CSE 9	SQ YD	1,464.400	X			=		
35501303	HMA BASE CSE 4 3/4	SQ YD	799.100	X			=		
35501312	HMA BASE CSE 7	SQ YD	956.000	X			=		
35501316	HMA BASE CSE 8	SQ YD	6,474.600	X			=		
40201000	AGGREGATE-TEMP ACCESS	TON	1,098.500	X			=		
40600100	BIT MATLS PR CT	GALLON	25,060.400	X			=		
40600300	AGG PR CT	TON	282.500	X			=		
40600400	MIX CR JTS FLANGEWYS	TON	5.000	X			=		

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		UNIT PRICE DOLLARS	UNIT PRICE CENTS		TOTAL PRICE DOLLARS	TOTAL PRICE CTS
40600535	LEV BIND HM N70	TON	20.000	X			=		
40600625	LEV BIND MM N50	TON	272.900	X			=		
40600635	LEV BIND MM N70	TON	980.600	X			=		
40600982	HMA SURF REM BUTT JT	SQ YD	3,948.000	X			=		
40600990	TEMPORARY RAMP	SQ YD	782.700	X			=		
40603085	HMA BC IL-19.0 N70	TON	18,956.600	X			=		
40603335	HMA SC "D" N50	TON	545.800	X			=		
40603340	HMA SC "D" N70	TON	7,525.000	X			=		
40701831	HMA PAVT FD 7 1/2	SQ YD	4,591.900	X			=		
40701876	HMA PAVT FD 9 3/4	SQ YD	1,287.600	X			=		
40701901	HMA PAVT FD 11	SQ YD	21,691.500	X			=		
40800050	INCIDENTAL HMA SURF	TON	3,276.000	X			=		
42000400	PCC PVT 9	SQ YD	427.400	X			=		
44000158	HMA SURF REM 2 1/4	SQ YD	5,689.100	X			=		
44000500	COMB CURB GUTTER REM	FOOT	6,333.000	X			=		

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		UNIT PRICE DOLLARS	UNIT PRICE CENTS		TOTAL PRICE DOLLARS	TOTAL PRICE CTS
44001700	COMB C C&G REM & REPL	FOOT	1,890.000	X			=		
44002020	CONC MEDIAN SURF REM	SQ FT	2,480.000	X			=		
44003100	MEDIAN REMOVAL	SQ FT	1,352.000	X			=		
44003900	MED SURF REM & REPL	SQ FT	5,908.000	X			=		
44300100	AREA REF CR CON TREAT	SQ YD	94,677.900	X			=		
44400100	FIBERGLASS FAB REP SY	SQ YD	300.000	X			=		
48101200	AGGREGATE SHLDS B	TON	16,812.500	X			=		
48203029	HMA SHOULDERS 8	SQ YD	9,865.400	X			=		
50104300	CONC HDWL REM	CU YD	6.700	X			=		
50105220	PIPE CULVERT REMOV	FOOT	1,476.000	X			=		
50800105	REINFORCEMENT BARS	POUND	2,790.000	X			=		
54002080	EXPAN BOLTS 3/4 X 18	EACH	22.000	X			=		
54003000	CONC BOX CUL	CU YD	18.900	X			=		
542A0217	P CUL CL A 1 12	FOOT	4.000	X			=		
542A0229	P CUL CL A 1 24	FOOT	401.000	X			=		

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		UNIT PRICE DOLLARS	UNIT PRICE CENTS		TOTAL PRICE DOLLARS	TOTAL PRICE CTS
542A0241	P CUL CL A 1 36	FOOT	72.000	X			=		
542A1075	P CUL CL A 2 30	FOOT	104.000	X			=		
542A1909	P CUL CL A 3 24	FOOT	128.000	X			=		
542A5479	P CUL CL A 1 EQRS 24	FOOT	405.100	X			=		
542A5485	P CUL CL A 1 EQRS 30	FOOT	156.000	X			=		
542A5491	P CUL CL A 1 EQRS 36	FOOT	80.000	X			=		
542A5497	P CUL CL A 1 EQRS 42	FOOT	301.000	X			=		
542A5503	P CUL CL A 1 EQRS 48	FOOT	128.000	X			=		
542D0220	P CUL CL D 1 15	FOOT	477.000	X			=		
542D5479	P CUL CL D 1 EQRS 24	FOOT	221.000	X			=		
542D8209	P CUL CL D 2 EQRS 24	FOOT	75.000	X			=		
54213657	PRC FLAR END SEC 12	EACH	7.000	X			=		
54213669	PRC FLAR END SEC 24	EACH	10.000	X			=		
54213675	PRC FLAR END SEC 30	EACH	2.000	X			=		
54213681	PRC FLAR END SEC 36	EACH	2.000	X			=		

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		UNIT PRICE DOLLARS	UNIT PRICE CENTS		TOTAL PRICE DOLLARS	TOTAL PRICE CTS
54214509	PRC FL END S EQ RS 24	EACH	2.000	X			=		
54214515	PRC FL END S EQ RS 30	EACH	2.000	X			=		
54214521	PRC FL END S EQ RS 36	EACH	2.000	X			=		
54214527	PRC FL END S EQ RS 42	EACH	3.000	X			=		
54214533	PRC FL END S EQ RS 48	EACH	1.000	X			=		
54215550	MET END SEC 15	EACH	22.000	X			=		
54215769	MET END SEC EQV RS 24	EACH	12.000	X			=		
550A0050	STORM SEW CL A 1 12	FOOT	187.000	X			=		
550A0070	STORM SEW CL A 1 15	FOOT	11.000	X			=		
55039700	SS CLEANED	FOOT	300.000	X			=		
60223810	MAN TA 6 DIA T3F&G	EACH	1.000	X			=		
60228700	MAN SPL T3F&G	EACH	2.000	X			=		
60242400	INLETS SPL	EACH	2.000	X			=		
60242500	INLETS SPL N1	EACH	12.000	X			=		
60244110	INLETS SPL T9F&G	EACH	3.000	X			=		

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		UNIT PRICE DOLLARS	UNIT PRICE CENTS		TOTAL PRICE DOLLARS	TOTAL PRICE CTS
60260100	INLETS ADJUST	EACH	11.000	X			=		
60263000	INL RECON NEW T1F CL	EACH	2.000	X			=		
60500060	REMOV INLETS	EACH	4.000	X			=		
60500090	REM INLET- MAIN FLOW	EACH	4.000	X			=		
60600095	CLASS SI CONC OUTLET	CU YD	52.600	X			=		
60602500	CONC GUTTER TA	FOOT	2,264.100	X			=		
60602800	CONC GUTTER TB	FOOT	201.100	X			=		
60605000	COMB CC&G TB6.24	FOOT	414.000	X			=		
60618300	CONC MEDIAN SURF 4	SQ FT	15,721.100	X			=		
60619500	CONC MED TSB6.06 SPL	SQ FT	4,831.000	X			=		
60624600	CORRUGATED MED	SQ FT	5,824.300	X			=		
63000001	SPBGR TY A 6FT POSTS	FOOT	475.000	X			=		
63100085	TRAF BAR TERM T6	EACH	4.000	X			=		
63100167	TR BAR TRM T1 SPL TAN	EACH	4.000	X			=		
63200310	GUARDRAIL REMOV	FOOT	814.800	X			=		

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		UNIT PRICE DOLLARS	UNIT PRICE CENTS		TOTAL PRICE DOLLARS	TOTAL PRICE CTS
66600105	FUR ERECT ROW MARKERS	EACH	74.000	X			=		
67100100	MOBILIZATION	L SUM	1.000	X			=		
70103700	TRAF CONT COMPL	L SUM	1.000	X			=		
70300100	SHORT TERM PAVT MKING	FOOT	4,210.000	X			=		
70300220	TEMP PVT MK LINE 4	FOOT	46,707.000	X			=		
70301000	WORK ZONE PAVT MK REM	SQ FT	1,500.000	X			=		
72000100	SIGN PANEL T1	SQ FT	349.300	X			=		
72000200	SIGN PANEL T2	SQ FT	40.000	X			=		
72000300	SIGN PANEL T3	SQ FT	448.000	X			=		
72900210	METAL POST TY B	EACH	33.000	X			=		
73000100	WOOD SIN SUPPORT	FOOT	721.000	X			=		
78000100	THPL PVT MK LTR & SYM	SQ FT	723.000	X			=		
78000600	THPL PVT MK LINE 12	FOOT	5,457.500	X			=		
78004230	PREF PL PM TB INL L6	FOOT	137,971.000	X			=		
78004240	PREF PL PM TB INL L8	FOOT	6,966.000	X			=		

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE DOLLARS	UNIT PRICE CENTS		TOTAL PRICE DOLLARS	TOTAL PRICE CTS
78004280	PREF PL PM TB INL L24	FOOT	661.000			=		
78100100	RAISED REFL PAVT MKR	EACH	1,085.000			=		
78200455	BIDIRECT GDRL REFL	EACH	10.000			=		
78201000	TERMINAL MARKER - DA	EACH	4.000			=		
80400100	ELECT SERV INSTALL	EACH	3.000			=		
80500200	SERV INSTALL TY B	EACH	1.000			=		
81000800	CON T 3 GALVS	FOOT	650.000			=		
81012300	CON T 1 PVC	FOOT	10.000			=		
81012600	CON T 2 PVC	FOOT	59.000			=		
81012700	CON T 2 1/2 PVC	FOOT	52.000			=		
81012800	CON T 3 PVC	FOOT	5.000			=		
81013000	CON T 4 PVC	FOOT	65.000			=		
81021370	CON P 4 PVC	FOOT	335.000			=		
81400700	HANDHOLE PCC	EACH	5.000			=		
81400720	DBL HANDHOLE PCC	EACH	1.000			=		

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		UNIT PRICE DOLLARS	UNIT PRICE CENTS		TOTAL PRICE DOLLARS	TOTAL PRICE CTS
81603010	UD 2#10#10GXLPUSE 3/4	FOOT	4,532.000	X			=		
81702110	EC C XLP USE 1C 10	FOOT	1,786.000	X			=		
81900200	TR & BKFIL F ELECT WK	FOOT	2,560.000	X			=		
82102250	LUM SV HOR MT 250W	EACH	20.000	X			=		
82103400	LUM SV HOR MT PC 400W	EACH	4.000	X			=		
82500350	LT CONT BASEM 240V100	EACH	3.000	X			=		
83002200	LT P A 40MH 6DA	EACH	11.000	X			=		
83002600	LT P A 40MH 15DA	EACH	9.000	X			=		
83600300	LIGHT POLE FDN 30D	FOOT	120.000	X			=		
83800505	BKWY DEV COU AL SKIRT	EACH	80.000	X			=		
85700200	FAC T4 CAB	EACH	1.000	X			=		
86200200	UNINTER POWER SUP STD	EACH	1.000	X			=		
87301245	ELCBL C SIGNAL 14 5C	FOOT	1,407.000	X			=		
87301255	ELCBL C SIGNAL 14 7C	FOOT	2,095.000	X			=		
87301815	ELCBL C SERV 6 3C	FOOT	15.000	X			=		

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		UNIT PRICE DOLLARS	UNIT PRICE CENTS		TOTAL PRICE DOLLARS	TOTAL PRICE CTS
87502480	TS POST GALVS 14	EACH	3.000	X			=		
87702950	STL COMB MAA&P 44	EACH	1.000	X			=		
87702980	STL COMB MAA&P 50	EACH	2.000	X			=		
87703030	STL COMB MAA&P 60	EACH	1.000	X			=		
87800100	CONC FDN TY A	FOOT	3.000	X			=		
87800150	CONC FDN TY C	FOOT	3.000	X			=		
87800415	CONC FDN TY E 36D	FOOT	43.000	X			=		
87800420	CONC FDN TY E 42D	FOOT	21.000	X			=		
88040090	SH P LED 1F 3S MAM	EACH	6.000	X			=		
88040150	SH P LED 1F 5S BM	EACH	5.000	X			=		
88040160	SH P LED 1F 5S MAM	EACH	5.000	X			=		
89502375	REMOV EX TS EQUIP	EACH	1.000	X			=		
89502380	REMOV EX HANDHOLE	EACH	6.000	X			=		
89502385	REMOV EX CONC FDN	EACH	8.000	X			=		

TOTAL $

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

NOTE:

1. EACH PAY ITEM SHOULD HAVE A UNIT PRICE AND A TOTAL PRICE.

2. THE UNIT PRICE SHALL GOVERN IF NO TOTAL PRICE IS SHOWN OR IF THERE IS A DISCREPANCY BETWEEN THE PRODUCT OF THE UNIT PRICE MULTIPLIED BY THE QUANTITY.

3. IF A UNIT PRICE IS OMITTED, THE TOTAL PRICE WILL BE DIVIDED BY THE QUANTITY IN ORDER TO ESTABLISH A UNIT PRICE.

4. A BID MAY BE DECLARED UNACCEPTABLE IF NEITHER A UNIT PRICE NOR A TOTAL PRICE IS SHOWN.

RETURN WITH BID

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. Except as otherwise required in subsection III, paragraphs J-M, by execution of the Proposal Signature Sheet, the bidder indicates that each of the mandated assurances have 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 the chief procurement officer to void the contract, or subcontract, and may result in the suspension or debarment of the bidder or subcontractor.

II. ASSURANCES

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.

A. 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.

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.

B. 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.

C. 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.

D. Revolving Door Prohibition

1. The Illinois Procurement Code provides:

Section 50-30. Revolving door prohibition. Chief procurement officers, State purchasing officers, procurement compliance monitors, 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.

E. 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.

F. 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.

G. 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

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. Section 50-2 of the Illinois Procurement Code provides that every person that has entered into a multi-year contract and every subcontractor with a multi-year subcontract shall certify, by July 1 of each fiscal year covered by the contract after the initial fiscal year, to the responsible chief procurement officer whether it continues to satisfy the requirements of Article 50 pertaining to the eligibility for a contract award. If a contractor or subcontractor is not able to truthfully certify that it continues to meet all requirements, it shall provide with its certification a detailed explanation of the circumstances leading to the change in certification status. A contractor or subcontractor that makes a false statement material to any given certification required under Article 50 is, in addition to any other penalties or consequences prescribed by law, subject to liability under the Whistleblower Reward and Protection Act for submission of a false claim.

A. 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, or subcontracting under such a contract, 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, or which is signatory to the contract which the subcontract relates, 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, and every subcontract subject to Section 20-120 of the Procurement Code shall contain a certification by the contractor or the subcontractor, respectively, that the contractor or subcontractor is not barred from being awarded a contract or subcontract under this Section and acknowledges that the chief procurement officer may declare the related contract void if any certifications required by this Section are false. A contractor who makes a false statement, material to the certification, commits a Class 3 felony.

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

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, or enter into a subcontract, 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.

3. Certification. Every bid submitted to and contract executed by the State and every subcontract subject to Section 20-120 of the Procurement Code shall contain a certification by the bidder or contractor or subcontractor, respectively, that the bidder, contractor, or subcontractor is not barred from being awarded a contract or subcontract under this Section and acknowledges that the chief procurement officer may declare the related contract void if any of the certifications required by this Section are false.

C. Debt Delinquency

1. The Illinois Procurement Code provides:

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

The contractor or bidder or subcontractor, respectively, certifies that it, or any affiliate, is not barred from being awarded a contract or subcontract under the Procurement Code. Section 50-11 prohibits a person from entering into a contract with a State agency, or entering into a subcontract, 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, or entering into a subcontract, 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 bidder or contractor or subcontractor, respectively, further acknowledges that the chief procurement officer may declare the related contract void if this certification is false or if the bidder, contractor, or subcontractor, or any affiliate, is determined to be delinquent in the payment of any debt to the State during the term of the contract.

D. Prohibited Bidders, Contractors and Subcontractors

1. The Illinois Procurement Code provides:

Section 50-10.5 and 50-60(c). Prohibited bidders, contractors and subcontractors.
The bidder or contractor or subcontractor, respectively, 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 or if in violation of Subsection (c) for a period of five years from the date of conviction. Every bid submitted to and contract executed by the State and every subcontract subject to Section 20-120 of the Procurement Code shall contain a certification by the bidder, contractor, or subcontractor, respectively, that the bidder, contractor, or subcontractor is not barred from being awarded a contract or subcontract under this Section and acknowledges that the chief procurement officer shall declare the related contract void if any of the certifications completed pursuant to this Section are false.

E. Section 42 of the Environmental Protection Act

The bidder or contractor or subcontractor, respectively, certifies in accordance with 30 ILCS 500/50-12 that the bidder, contractor, or subcontractor, is not barred from being awarded a contract or entering into a subcontract under this Section which prohibits the bidding on or entering into contracts with the State of Illinois or a State agency, or entering into any subcontract, that is subject to the Procurement Code 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 bidder or contractor or subcontractor, respectively, acknowledges that the chief procurement officer may declare the contract void if this certification is false.

F. 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.

G. Bid-Rigging/Bid Rotating

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

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

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

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

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

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

H. 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.

I. 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.

J. Disclosure of Business Operations in Iran

Section 50-36 of the Illinois Procurement Code, 30ILCS 500/50-36 provides that each bid, offer, or proposal submitted for a State contract shall include a disclosure of whether or not the Company acting as the bidder, offeror, or proposing entity, or any of its corporate parents or subsidiaries, within the 24 months before submission of the bid, offer, or proposal had business operations that involved contracts with or provision of supplies or services to the Government of Iran, companies in which the Government of Iran has any direct or indirect equity share, consortiums or projects commissioned by the Government of Iran, or companies involved in consortiums or projects commissioned by the Government of Iran and either of the following conditions apply:

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

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

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

Failure to make the disclosure required by the Code 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.

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. Political Contributions and Registration with the State Board of Elections

Sections 20-160 and 50-37 of the Illinois Procurement Code regulate political contributions from business entities and any affiliated entities or affiliated persons bidding on or contracting with the state. Generally under Section 50-37, any business entity, and any affiliated entity or affiliated person of the business entity, whose current year contracts with all state agencies exceed an awarded value of $50,000, are prohibited from making any contributions to any political committees established to promote the candidacy of the officeholder responsible for the awarding of the contracts or any other declared candidate for that office for the duration of the term of office of the incumbent officeholder or a period 2 years after the termination of the contract, whichever is longer. Any business entity and affiliated entities or affiliated persons whose state contracts in the current year do not exceed an awarded value of $50,000, but whose aggregate pending bids and proposals on state contracts exceed $50,000, either alone or in combination with contracts not exceeding $50,000, are prohibited from making any political contributions to any political committee established to promote the candidacy of the officeholder responsible for awarding the pending contract during the period beginning on the date the invitation for bids or request for proposals is issued and ending on the day after the date of award or selection if the entity was not awarded or selected. Section 20-160 requires certification of registration of affected business entities in accordance with procedures found in Section 9-35 of The Election Code.

By submission of a bid, the contractor business entity acknowledges and agrees that it has read and understands Sections 20-160 and 50-37 of the Illinois Procurement Code, and that it makes the following certification:

The undersigned business entity certifies that it has registered as a business with the State Board of Elections and acknowledges a continuing duty to update the registration in accordance with the above referenced statutes. A copy of the certificate of registration shall be submitted with the bid. The bidder is cautioned that the Department will not award a contract without submission of the certificate of registration.

These requirements and compliance with the above referenced statutory sections are a material part of the contract, and any breach thereof shall be cause to void the contract under Section 50-60 of the Illinois Procurement Code. This provision does not apply to Federal-aid contracts.

M. Lobbyist Disclosure

Section 50-38 of the Illinois Procurement Code requires that any bidder or offeror on a State contract that hires a person required to register under the Lobbyist Registration Act to assist in obtaining a contract shall:

(i) Disclose all costs, fees, compensation, reimbursements, and other remunerations paid or to be paid to the lobbyist related to the contract,

(ii) Not bill or otherwise cause the State of Illinois to pay for any of the lobbyist's costs, fees, compensation, reimbursements, or other remuneration, and

(iii) Sign a verification certifying that none of the lobbyist's costs, fees, compensation, reimbursements, or other remuneration were billed to the State.

This information, along with all supporting documents, shall be filed with the agency awarding the contract and with the Secretary of State. The chief procurement officer shall post this information, together with the contract award notice, in the online Procurement Bulletin.

Pursuant to Subsection (c) of this Section, no person or entity shall retain a person or entity to attempt to influence the outcome of a procurement decision made under the Procurement Code for compensation contingent in whole or in part upon the decision or procurement. Any person who violates this subsection is guilty of a business offense and shall be fined not more than $10,000.

Bidder acknowledges that it is required to disclose the hiring of any person required to register pursuant to the Illinois Lobbyist Registration Act (25 ILCS 170) in connection with this contract.

☐ Bidder has not hired any person required to register pursuant to the Illinois Lobbyist Registration Act in connection with this contract.

Or

☐ Bidder has hired the following persons required to register pursuant to the Illinois Lobbyist Registration Act in connection with the contract:

Name and address of person: _____

All costs, fees, compensation, reimbursements and other remuneration paid to said person: _____

_____

_____

_____

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 bidder further certifies that the Department has received the disclosure forms for each bid.

The chief procurement officer may void the bid, contract, or subcontract, respectively, if it is later determined that the bidder or subcontractor rendered a false or erroneous disclosure. A contractor or subcontractor may be suspended or debarred for violations of the Procurement Code. Furthermore, the chief procurement officer may void the contract 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 $25,000 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, filed with the Procurement Policy Board, and shall be incorporated as a material term of the contract. Furthermore, pursuant to Section 5-5, the Procurement Policy Board may review a proposal, bid, or contract and issue a recommendation to void a contract or reject a proposal or bid based on any violation of the Procurement Code or the existence of a conflict of interest as provided in subsections (b) and (d) of Section 50-35.

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.
The current annual salary of the Governor is $177,412.00.

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.**

C. Disclosure Form Instructions

Form A Instructions for Financial Information & Potential Conflicts of Interest

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 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 60% of the annual salary of the Governor? YES ___ NO
3. Does anyone in your organization receive more than 60% of the annual salary of the Governor of the bidding entity's or parent entity's 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 60% of the annual salary of the Governor? 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 of Form A must be signed and dated by a person that is authorized to execute contracts for your company.

Form B: Instructions for 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.

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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 $25,000, 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.**

The current annual salary of the Governor is $177,412.00.

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 60% of the annual salary of the Governor. **(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 State 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 60% of the annual salary of the Governor provide the name the State agency for which you are employed and your annual salary. _____

_____

3. If you are currently appointed to or employed by any agency of the State of Illinois, and your annual salary exceeds 60% of the annual salary of the Governor, 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 100% of the annual 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 60% of the annual salary of the Governor, 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 two times the salary of the Governor? Yes ___ No __

(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 State 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 60% of the annual salary of the Governor, 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. _____
_____

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 60% of the annual salary of the Governor, are you entitled to receive (i) more than 71/2% of the total distributable income of your firm, partnership, association or corporation, or (ii) an amount in excess 100% of the annual 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 60% of the annual salary of the Governor, 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 two times the salary of the Governor?

Yes ___ No __

(c) Elective status; the holding of elective office of the State of Illinois, the government of the United States, any unit of local government authorized by the Constitution of the State of Illinois or the statutes of the State of Illinois currently or in the previous 3 years. Yes ___No __

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

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

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

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

(h) Relationship to anyone who is or was a registered lobbyist in the previous 2 years; spouse, father, mother, son, or daughter. Yes ___ No __

(i) Compensated employment, currently or in the previous 3 years, by any registered election or reelection committee registered with the Secretary of State or any county clerk of the State of Illinois, or any political action committee registered with either the Secretary of State or the Federal Board of Elections.
Yes ___ No __

(j) Relationship to anyone; spouse, father, mother, son, or daughter; who was a compensated employee in the last 2 years by any registered election or re-election committee registered with the Secretary of State or any county clerk of the State of Illinois, or any political action committee registered with either the Secretary of State or the Federal Board of Elections.
Yes ___ No __

---

3. Communication Disclosure.

Disclose the name and address of each lobbyist and other agent of the bidder or offeror who is not identified in Section 2 of this form, who is has communicated, is communicating, or may communicate with any State officer or employee concerning the bid or offer. This disclosure is a continuing obligation and must be promptly supplemented for accuracy throughout the process and throughout the term of the contract. If no person is identified, enter "None" on the line below:

Name and address of person(s): _____

_____

_____

_____

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4. Debarment Disclosure. For each of the persons identified under Sections 2 and 3 of this form, disclose whether any of the following has occurred within the previous 10 years: debarment from contracting with any governmental entity; professional licensure discipline; bankruptcies; adverse civil judgments and administrative findings; and criminal felony convictions. This disclosure is a continuing obligation and must be promptly supplemented for accuracy throughout the procurement process and term of the contract. If no person is identified, enter "None" on the line below:

Name of person(s): _____

Nature of disclosure: _____
_____
_____
_____

APPLICABLE STATEMENT

This Disclosure Form A is submitted on behalf of the INDIVIDUAL named on previous page. Under penalty of perjury, I certify the contents of this disclosure to be true and accurate to the best of my knowledge.

Completed by: ☐ _____ _____
Signature of Individual or Authorized Representative Date

NOT APPLICABLE STATEMENT

Under penalty of perjury, 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.

☐ _____ _____
Signature of Authorized Representative Date

The bidder has a continuing obligation to supplement these disclosures under Sec. 50-35 of the Procurement Code.

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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 $25,000, 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

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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.

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Illinois Department of Transportation

Contract No. 85513
WINNEBAGO County
Section 06-00400-00-RS
Project M-5099(076)
Route FAU 5097 (Meridian Road)
District 2 Construction Funds

PART I. IDENTIFICATION

Dept. Human Rights # _____ Duration of Project: _____

Name of Bidder: _____

PART II. WORKFORCE PROJECTION

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

TABLE A

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

TABLE C

TOTAL Training Projection for Contract								
EMPLOYEES IN TRAINING	TOTAL EMPLOYEES		BLACK		HISPANIC		*OTHER MINOR.	
	M	F	M	F	M	F	M	F
APPRENTICES								
ON THE JOB TRAINEES								

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

FOR DEPARTMENT USE ONLY

BC 1256 (Rev. 12/11/08)

Note: See instructions on page 2

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. 85513
WINNEBAGO County
Section 06-00400-00-RS
Project M-5099(076)
Route FAU 5097 (Meridian Road)
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.

Firm Name _____

(IF AN INDIVIDUAL) Signature of Owner _____

Business Address _____

_____

Firm Name _____

By _____

(IF A CO-PARTNERSHIP) Business Address _____

_____
Name and Address of All Members of the Firm:

_____ _____

Corporate Name _____

By _____
Signature of Authorized Representative

(IF A CORPORATION)

_____
Typed or printed name and title of Authorized Representative

Attest _____
Signature

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

Corporate Name _____

By _____
Signature of Authorized Representative

(IF A JOINT VENTURE)

_____
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.

Illinois Department of Transportation

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, or for the amount specified in Article 102.09 of the "Standard Specifications for Road and Bridge Construction" in effect on the date of invitation for bids, whichever is the lesser sum, well and truly to be paid unto said STATE OF ILLINOIS, for the payment of which we bind ourselves, our heirs, executors, administrators, successors and assigns.

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

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

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

In TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by

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

PRINCIPAL	**SURETY**
_____ (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

Illinois Department of Transportation

DBE Utilization Plan

(1) Policy

It is public policy that disadvantaged businesses as defined in 49 CFR Part 26 and the Special Provision shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with Federal or State funds. Consequently the requirements of 49 CFR Part 26 apply to this contract.

(2) Obligation

The contractor agrees to ensure that disadvantaged businesses as defined in 49 CFR Part 26 and the Special Provision have the maximum opportunity to participate in the performance of contracts or subcontracts financed in whole or in part with Federal or State funds. The contractor shall take all necessary and reasonable steps in accordance with 49 CFR Part 26 and the Special Provision to ensure that said businesses have the maximum opportunity to compete for and perform under this contract. The contractor shall not discriminate on the basis of race, color, national origin or sex in the award and performance of contracts.

(3) Project and Bid Identification

Complete the following information concerning the project and bid:

Route _____ Total Bid _____

Section _____ Contract DBE Goal _____ (Percent) _____ (Dollar Amount)

Project _____

County _____

Letting Date _____

Contract No. _____

Letting Item No. _____

(4) Assurance

I, acting in my capacity as an officer of the undersigned bidder (or bidders if a joint venture), hereby assure the Department that on this project my company : (check one)

☐ Meets or exceeds contract award goals and has provided documented participation as follows:

Disadvantaged Business Participation _____ percent

Attached are the signed participation statements, forms SBE 2025, required by the Special Provision evidencing availability and use of each business participating in this plan and assuring that each business will perform a commercially useful function in the work of the contract.

☐ Failed to meet contract award goals and has included good faith effort documentation to meet the goals and that my company has provided participation as follows:

Disadvantaged Business Participation _____ percent

The contract goals should be accordingly modified or waived. Attached is all information required by the Special Provision in support of this request including good faith effort. Also attached are the signed participation statements, forms SBE 2025, required by the Special Provision evidencing availability and use of each business participating in this plan and assuring that each business will perform a commercially useful function in the work of the contract.

_____
Company

By _____

Title _____

Date _____

The "as read" Low Bidder is required to comply with the Special Provision.

Submit only one utilization plan for each project. The utilization plan shall be submitted in accordance with the special provision.

Bureau of Small Business Enterprises
2300 South Dirksen Parkway
Springfield, Illinois 62764

Local Let Projects
Submit forms to the
Local Agency

The Department of Transportation is requesting disclosure of information that is necessary to accomplish the purpose as outlined under State and Federal law. Disclosure of this information is **REQUIRED**. Failure to provide any information will result in the contract not being awarded. This form has been approved by the State Forms Manager Center.

Illinois Department of Transportation

DBE Participation Statement

Subcontractor Registration _____ Letting _____

Participation Statement Item No. _____

(1) Instructions Contract _____

This form must be completed for each disadvantaged business participating in the Utilization Plan. This form shall be submitted in accordance with the special provision and will be attached to the Utilization Plan form.. If additional space is needed complete an additional form for the firm.

(2) Work

Pay Item No.	Description	Quantity	Unit Price	Total
			Total	

(3) Partial Payment Items

For any of the above items which are partial pay items, specifically describe the work and subcontract dollar amount:

(4) Commitment

The undersigned certify that the information included herein is true and correct, and that the DBE firm listed below has agreed to perform a commercially useful function in the work of the contract item(s) listed above and to execute a contract with the prime contractor. The undersigned further understand that no changes to this statement may be made without prior approval from the Department's Bureau of Small Business Enterprises and that complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.

_____ _____

Signature for Prime Contractor Signature for DBE Firm

Title _____ Title _____

Date _____ Date _____

Contact _____ Contact _____

Phone _____ Phone _____

Firm Name _____ Firm Name _____

Address _____ Address _____

City/State/Zip _____ City/State/Zi _____

E _____

WC _____

The Department of Transportation is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under the state and federal law. Disclosure of this information is **REQUIRED**. Failure to provide any information will result in the contract not being awarded. This form has been approved by the State Forms Management Center.

PROPOSAL ENVELOPE

Illinois Department of Transportation

PROPOSALS

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

Item No.	Item No.	Item No.

Submitted By:

Name:
Address:
Phone No.

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

Engineer of Design and Environment - Room 326
Illinois Department of Transportation
2300 South Dirksen Parkway
Springfield, Illinois 62764

NOTICE

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

CONTRACTOR OFFICE COPY OF CONTRACT SPECIFICATIONS

NOTICE

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

Contract No. 85513
WINNEBAGO County
Section 06-00400-00-RS
Project M-5099(076)
Route FAU 5097 (Meridian Road)
District 2 Construction Funds

Illinois Department of Transportation

SUBCONTRACTOR DOCUMENTATION

Public Acts 96-0795 and 96-0920, enacted substantial changes to the provisions of the Illinois Procurement Code (30 ILCS 500). Among the changes are provisions affecting subcontractors. The Contractor awarded this contract will be required as a material condition of the contract to implement and enforce the contract requirements applicable to subcontractors approved in accordance with article 108.01 of the Standard Specifications for Road and Bridge Construction.

If the Contractor seeks approval of subcontractors to perform a portion of the work, and approval is granted by the Department, the Contractor shall provide a copy of the subcontract to the Chief Procurement Officer within 20 calendar days after execution of the subcontract.

The subcontract shall contain the certifications required to be made by subcontractors pursuant to Article 50 of the Illinois Procurement Code. This Notice to Bidders includes a document incorporating all required subcontractor certifications and disclosures for use by the Contractor in compliance with this mandate. The document is entitled State Required Ethical Standards Governing Subcontractors.

RETURN WITH SUBCONTRACT

STATE ETHICAL STANDARDS
GOVERNING SUBCONTRACTORS

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.

The certifications hereinafter made by the subcontractor are each a material representation of fact upon which reliance is placed should the Department approve the subcontractor. The chief procurement officer may terminate or void the subcontract approval if it is later determined that the bidder or subcontractor rendered a false or erroneous certification.

Section 50-2 of the Illinois Procurement Code provides that every person that has entered into a multi-year contract and every subcontractor with a multi-year subcontract shall certify, by July 1 of each fiscal year covered by the contract after the initial fiscal year, to the responsible chief procurement officer whether it continues to satisfy the requirements of Article 50 pertaining to the eligibility for a contract award. If a contractor or subcontractor is not able to truthfully certify that it continues to meet all requirements, it shall provide with its certification a detailed explanation of the circumstances leading to the change in certification status. A contractor or subcontractor that makes a false statement material to any given certification required under Article 50 is, in addition to any other penalties or consequences prescribed by law, subject to liability under the Whistleblower Reward and Protection Act for submission of a false claim.

A. 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, or subcontracting under such a contract, 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, or which is signatory to the contract to which the subcontract relates, 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, and every subcontract subject to Section 20-120 of the Procurement Code shall contain a certification by the contractor or the subcontractor, respectively, that the contractor or subcontractor is not barred from being awarded a contract or subcontract under this Section and acknowledges that the chief procurement officer may declare the related contract void if any certifications required by this Section are false. A contractor who makes a false statement, material to the certification, commits a Class 3 felony.

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

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, or enter into a subcontract, 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. Certification. Every bid submitted to and contract executed by the State and every subcontract subject to Section 20-120 of the Procurement Code shall contain a certification by the bidder or contractor or subcontractor, respectively, that the bidder, contractor, or subcontractor is not barred from being awarded a contract or subcontract under this Section and acknowledges that the chief procurement officer may declare the related contract void if any of the certifications required by this Section are false.

RETURN WITH SUBCONTRACT

C. Debt Delinquency

1. The Illinois Procurement Code provides:

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

The contractor or bidder or subcontractor, respectively, certifies that it, or any affiliate, is not barred from being awarded a contract or subcontract under the Procurement Code. Section 50-11 prohibits a person from entering into a contract with a State agency, or entering into a subcontract, 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, or entering into a subcontract, 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 bidder or contractor or subcontractor, respectively, further acknowledges that the chief procurement officer may declare the related contract void if this certification is false or if the bidder, contractor, or subcontractor, or any affiliate, is determined to be delinquent in the payment of any debt to the State during the term of the contract.

D. Prohibited Bidders, Contractors and Subcontractors

1. The Illinois Procurement Code provides:

Section 50-10.5 and 50-60(c). Prohibited bidders, contractors and subcontractors.
The bidder or contractor or subcontractor, respectively, 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 or if in violation of Subsection (c) for a period of five years from the date of conviction.. Every bid submitted to and contract executed by the State and every subcontract subject to Section 20-120 of the Procurement Code shall contain a certification by the bidder, contractor, or subcontractor, respectively, that the bidder, contractor, or subcontractor is not barred from being awarded a contract or subcontract under this Section and acknowledges that the chief procurement officer shall declare the related contract void if any of the certifications completed pursuant to this Section are false.

E. Section 42 of the Environmental Protection Act

The bidder or contractor or subcontractor, respectively, certifies in accordance with 30 ILCS 500/50-12 that the bidder, contractor, or subcontractor, is not barred from being awarded a contract or entering into a subcontract under this Section which prohibits the bidding on or entering into contracts with the State of Illinois or a State agency, or entering into any subcontract, that is subject to the Procurement Code 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 bidder or contractor or subcontractor, respectively, acknowledges that the chief procurement officer may declare the contract void if this certification is false.

The undersigned, on behalf of the subcontracting company, has read and understands the above certifications and makes the certifications as required by law.

_____
Name of Subcontracting Company

_____ _____
Authorized Officer Date

RETURN WITH SUBCONTRACT

SUBCONTRACTOR DISCLOSURES

I. DISCLOSURES

A. The disclosures hereinafter made by the subcontractor are each a material representation of fact upon which reliance is placed. The subcontractor further certifies that the Department has received the disclosure forms for each subcontract.

The chief procurement officer may void the bid, contract, or subcontract, respectively, if it is later determined that the bidder or subcontractor rendered a false or erroneous disclosure. A contractor or subcontractor may be suspended or debarred for violations of the Procurement Code. Furthermore, the chief procurement officer may void the contract or subcontract.

B. Financial Interests and Conflicts of Interest

1. Section 50-35 of the Illinois Procurement Code provides that all subcontracts with a total value of $25,000 or more, from subcontractors identified in Section 20-120 of the Illinois Procurement Code, shall be accompanied by disclosure of the financial interests of the subcontractor. This disclosed information for the subcontractor, will be maintained as public information subject to release by request pursuant to the Freedom of Information Act, filed with the Procurement Policy Board, and shall be incorporated as a material term of the Prime Contractor's contract. Furthermore, pursuant to this Section, the Procurement Policy Board may recommend to allow or void a contract or subcontract based on a potential conflict of interest.

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 subcontracting entity or its parent entity, whichever is less, unless the subcontractor 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 subcontractor 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.
The current annual salary of the Governor is $177,412.00.

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

C. Disclosure Form Instructions

Form A Instructions for Financial Information & Potential Conflicts of Interest

If the subcontractor 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 subcontractor 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 subcontractor is not subject to Federal 10K reporting, the subcontractor must determine if any individuals are required by law to complete a financial disclosure form. To do this, the subcontractor 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 subcontracting 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 60% of the annual salary of the Governor? YES ___ NO
3. Does anyone in your organization receive more than 60% of the annual salary of the Governor of the subcontracting entity's or parent entity's distributive income? YES ___ NO __

   (Note: Distributive income is, for these purposes, any type of distribution of profits. An annual salary is not distributive income.)
4. Does anyone in your organization receive greater than 5% of the subcontracting entity's or parent entity's total distributive income, but which is less than 60% of the annual salary of the Governor? YES ___ NO __

   (Note: Only one set of forms needs to be completed per person per subcontract 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 subcontractor must determine each individual in the subcontracting entity or the subcontracting 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 subcontractor 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.

RETURN WITH SUBCONTRACT

Form B: **Instructions for Identifying Other Contracts & Procurement Related Information**

Disclosure Form B must be completed for each subcontract submitted by the subcontracting entity. *Note: Checking the NOT APPLICABLE STATEMENT on Form A does not allow the subcontractor to ignore Form B. Form B must be completed, checked, and dated or the subcontract will not be approved.*

The Subcontractor shall identify, by checking Yes or No on Form B, whether it has any pending contracts, subcontracts, leases, bids, proposals, or other ongoing procurement relationship with any other (non-IDOT) State of Illinois agency. If "No" is checked, the subcontractor only needs to complete the check box on the bottom of Form B. If "Yes" is checked, the subcontractor must list all non-IDOT State of Illinois agency pending contracts, subcontracts, leases, bids, proposals, and other ongoing procurement relationships. These items may be listed on Form B or on an attached sheet(s). Contracts with cities, counties, villages, etc. are not considered State of Illinois agency contracts and are not to be included. Contracts or subcontracts with other State of Illinois agencies such as the Department of Natural Resources or the Capital Development Board must be included.

RETURN WITH SUBCONTRACT

ILLINOIS DEPARTMENT OF TRANSPORTATION

Form A
Subcontractor: Financial Information & Potential Conflicts of Interest Disclosure

Subcontractor 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). Subcontractors desiring to enter into a subcontract of a State of Illinois contract 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 subcontracts with a total value of $25,000 or more, from subcontractors identified in Section 20-120 of the Illinois Procurement Code, 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.**

The current annual salary of the Governor is $177,412.00.

DISCLOSURE OF FINANCIAL INFORMATION

1. Disclosure of Financial Information. The individual named below has an interest in the SUBCONTRACTOR (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 60% of the annual salary of the Governor. **(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 State 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 60% of the annual salary of the Governor, provide the name the State agency for which you are employed and your annual salary. _____

_____

3. If you are currently appointed to or employed by any agency of the State of Illinois, and your annual salary exceeds 60% of the annual salary of the Governor, 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 100% of the annual 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 60% of the annual salary of the Governor, are you and your spouse or minor children entitled to receive (i) more than 15 % in the aggregate of the total distributable income of your firm, partnership, association or corporation, or (ii) an amount in excess of two times the salary of the Governor? Yes ___No __

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

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

1. Is your spouse or any minor children currently an officer or employee of the Capitol Development Board or the Illinois State 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 60% of the annual salary of the Governor, provide the name of your spouse and/or minor children, the name of the State agency for which he/she is employed and his/her annual salary. _____
_____

3. If your spouse or any minor children is/are currently appointed to or employed by any agency of the State of Illinois, and his/her annual salary exceeds 60% of the annual salary of the Governor, are you entitled to receive (i) more than 71/2% of the total distributable income of your firm, partnership, association or corporation, or (ii) an amount in excess of of 100% of the annual 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 60% of the annual salary of the Governor, are you and your spouse or minor children entitled to receive (i) more than 15 % in the aggregate of the total distributable income of your firm, partnership, association or corporation, or (ii) an amount in excess of two times the salary of the Governor?
Yes ___No __

(c) Elective status; the holding of elective office of the State of Illinois, the government of the United States, any unit of local government authorized by the Constitution of the State of Illinois or the statutes of the State of Illinois currently or in the previous 3 years. Yes ___No __

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

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

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

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

(h) Relationship to anyone who is or was a registered lobbyist in the previous 2 years; spouse, father, mother, son, or daughter. Yes ___ No __

(i) Compensated employment, currently or in the previous 3 years, by any registered election or reelection committee registered with the Secretary of State or any county clerk of the State of Illinois, or any political action committee registered with either the Secretary of State or the Federal Board of Elections.
Yes ___ No __

(j) Relationship to anyone; spouse, father, mother, son, or daughter; who was a compensated employee in the last 2 years by any registered election or re-election committee registered with the Secretary of State or any county clerk of the State of Illinois, or any political action committee registered with either the Secretary of State or the Federal Board of Elections.
Yes ___ No __

---

3. Communication Disclosure.

Disclose the name and address of each lobbyist and other agent of the bidder or offeror who is not identified in Section 2 of this form, who is has communicated, is communicating, or may communicate with any State officer or employee concerning the bid or offer. This disclosure is a continuing obligation and must be promptly supplemented for accuracy throughout the process and throughout the term of the contract. If no person is identified, enter "None" on the line below:

Name and address of person(s): _____

_____

_____

_____

RETURN WITH SUBCONTRACT

4. Debarment Disclosure. For each of the persons identified under Sections 2 and 3 of this form, disclose whether any of the following has occurred within the previous 10 years: debarment from contracting with any governmental entity; professional licensure discipline; bankruptcies; adverse civil judgments and administrative findings; and criminal felony convictions. This disclosure is a continuing obligation and must be promptly supplemented for accuracy throughout the procurement process and term of the contract. If no person is identified, enter "None" on the line below:

Name of person(s): _____

Nature of disclosure: _____

_____

_____

_____

APPLICABLE STATEMENT

This Disclosure Form A is submitted on behalf of the INDIVIDUAL named on previous page. Under penalty of perjury, I certify the contents of this disclosure to be true and accurate to the best of my knowledge.

Completed by: ☐ _____ _____

Signature of Individual or Authorized Officer — Date

NOT APPLICABLE STATEMENT

Under penalty of perjury, 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 SUBCONTRACTOR listed on the previous page.

☐ _____ _____

Signature of Authorized Officer — Date

RETURN WITH SUBCONTRACT

ILLINOIS DEPARTMENT OF TRANSPORTATION

Form B
Subcontractor: Other Contracts & Procurement Related Information Disclosure

Subcontractor 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 subcontracts with a total value of $25,000 or more, from subcontractors identified in Section 20-120 of the Illinois Procurement Code, and for all open-ended contracts.

DISCLOSURE OF OTHER CONTRACTS, SUBCONTRACTS, AND PROCUREMENT RELATED INFORMATION

1. Identifying Other Contracts & Procurement Related Information. The SUBCONTRACTOR shall identify whether it has any pending contracts, subcontracts, including leases, bids, proposals, or other ongoing procurement relationship with any other State of Illinois agency: Yes ___ No __
If "No" is checked, the subcontractor 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 Officer Date

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., January 21, 2011. 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. 85513
   WINNEBAGO County
   Section 06-00400-00-RS
   Project M-5099(076)
   Route FAU 5097 (Meridian Road)
   District 2 Construction Funds

Resurface Meridian Road from just south of Cunningham Road to just north of Knapp Road, within the 8.2 mile resurfacing are six intersections to be reconstructed (West State Street, Auburn Road, Safford Road, Dickenson Road, Cemetery Road, and Latham Road).

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,
Secretary

INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2011

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

SUPPLEMENTAL SPECIFICATIONS

RECURRING SPECIAL PROVISIONS

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

LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS

INDEX OF SPECIAL PROVISIONS

INDEX LOCAL ROADS AND STREETS SPECIAL PROVISIONS

LR #	Pg #		Special Provision Title	Effective	Revised
LR SD 12		☐	Slab Movement Detection Device	Nov. 11, 1984	Jan. 1, 2007
LR SD 13		☐	Required Cold Milled Surface Texture	Nov. 1, 1987	Jan. 1, 2007
LR 105		☐	Cooperation with Utilities	Jan. 1, 1999	Jan. 1, 2007
LR 107-2		☐	Railroad Protective Liability Insurance for Local Lettings	Mar. 1, 2005	Jan. 1, 2006
LR 107-4	74	☒	Insurance	Feb. 1, 2007	Aug. 1, 2007
LR 107-6		☐	Selection of Labor	Aug. 1, 2010	
LR 108		☐	Combination Bids	Jan. 1, 1994	Mar. 1, 2005
LR 212		☐	Shaping Roadway	Aug. 1, 1969	Jan. 1, 2002
LR 355-1		☐	Asphalt Stabilized Base Course, Road Mix or Traveling Plant Mix	Oct. 1, 1973	Jan. 1, 2007
LR 355-2		☐	Asphalt Stabilized Base Course, Plant Mix	Feb. 20, 1963	Jan. 1, 2007
LR 400-1		☐	Bituminous Treated Earth Surface	Jan. 1, 2007	Jan. 1, 2008
LR 400-2		☐	Bituminous Surface Mixture (Class B)	Jan. 1, 2008	
LR 402		☐	Salt Stabilized Surface Course	Feb. 20, 1963	Jan. 1, 2007
LR 403-2		☐	Bituminous Hot Mix Sand Seal Coat	Aug. 1, 1969	Jan. 1, 2007
LR 406		☐	Filling HMA Core Holes with Non-shrink Grout	Jan. 1, 2008	
LR 420		☐	PCC Pavement (Special)	May 12, 1964	Jan. 2, 2007
LR 442		☐	Bituminous Patching Mixtures for Maintenance Use	Jan. 1, 2004	Jun. 1, 2007
LR 451		☐	Crack Filling Bituminous Pavement with Fiber-Asphalt	Oct. 1, 1991	Jan. 1, 2007
LR 503-1		☐	Furnishing Class SI Concrete	Oct. 1, 1973	Jan. 1, 2002
LR 503-2		☐	Furnishing Class SI Concrete (Short Load)	Jan. 1, 1989	Jan. 1, 2002
LR 542		☐	Pipe Culverts, Type _____ (Furnished)	Sep. 1, 1964	Jan. 1, 2007
LR 663		☐	Calcium Chloride Applied	Jun. 1, 1958	Jan. 1, 2007
LR 702	75	☒	Construction and Maintenance Signs	Jan. 1, 2004	Jun. 1, 2007
LR 1004		☐	Coarse Aggregate for Bituminous Surface Treatment	Jan. 1, 2002	Jan. 1, 2007
LR 1030		☐	Growth Curve	Mar. 1, 2008	Jan. 1, 2010
LR 1032-1		☐	Emulsified Asphalts	Jan. 1, 2007	Feb. 7, 2008
LR 1032-2		☐	Multigrade Cold Mix Asphalt	Jan. 1, 2007	Feb. 1, 2007
LR 1102		☐	Road Mix or Traveling Plan Mix Equipment	Jan. 1, 2007	

BDE SPECIAL PROVISIONS
For the January 21 and March 11, 2011 Lettings

The following special provisions indicated by an "x" are applicable to this contract. An * indicates a new or revised special provision for the letting.

	File Name	Pg #		Special Provision Title	Effective	Revised
	80240			Above Grade Inlet Protection	July 1, 2009	
	80099			Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2007
	80243			American Recovery and Reinvestment Act Provisions	April 1, 2009	
	80236			American Recovery and Reinvestment Act Signing	April 1, 2009	April 15, 2009
	80186	76	X	Alkali-Silica Reaction for Cast-in-Place Concrete	Aug. 1, 2007	Jan. 1, 2009
	80213	79	X	Alkali-Silica Reaction for Precast and Precast Prestressed Concrete	Jan. 1, 2009	
	80207	82	X	Approval of Proposed Borrow Areas, Use Areas, and/or Waste Areas (NOTE: This special provision was previously named *"Approval of Proposed Borrow Areas, Use Areas, and/or Waste Areas Inside Illinois State Borders".*)	Nov. 1, 2008	Nov. 1, 2010
	80192	83	X	Automated Flagger Assistance Device	Jan. 1, 2008	
	80173	85	X	Bituminous Materials Cost Adjustments	Nov. 2, 2006	April 1, 2009
	80241			Bridge Demolition Debris	July 1, 2009	
	5026I			Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
	5048I			Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
	5049I			Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
	5053I			Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
	80166	88	X	Cement	Jan. 1, 2007	April 1, 2009
	80260	91	X	Certification of Metal Fabricator	July 1, 2010	
	80198			Completion Date (via calendar days)	April 1, 2008	
	80199			Completion Date (via calendar days) Plus Working Days	April 1, 2008	
	80094	92	X	Concrete Admixtures	Jan. 1, 2003	April 1, 2009
	80215			Concrete Joint Sealer	Jan. 1, 2009	
	80226	96	X	Concrete Mix Designs	April 1, 2009	
	80261			Construction Air Quality – Diesel Retrofit	June 1, 2010	
	80237	98	X	Construction Air Quality – Diesel Vehicle Emissions Control	April 1, 2009	July 1, 2009
	80239	100	X	Construction Air Quality – Idling Restrictions	April 1, 2009	
	80227	102	X	Determination of Thickness	April 1, 2009	
	80177			Digital Terrain Modeling for Earthwork Calculations	April 1, 2007	
	80029	114	X	Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Jan. 1, 2010
*	80179			Engineer's Field Office Type A	April 1, 2007	Jan. 1, 2011
*	80205			Engineer's Field Office Type B	Aug. 1, 2008	Jan. 1, 2011
	80189	123	X	Equipment Rental Rates	Aug. 2, 2007	Jan. 2, 2008
	80228	125	X	Flagger at Side Roads and Entrances	April 1, 2009	
	80249	126	X	Frames and Grates	Jan. 1, 2010	
*	80265	127	X	Friction Aggregate	Jan. 1, 2011	
	80229			Fuel Cost Adjustment	April 1, 2009	July 1, 2009
	80169			High Tension Cable Median Barrier	Jan. 1, 2007	April 1, 2009
	80194	131	X	HMA – Hauling on Partially Completed Full-Depth Pavement	Jan. 1, 2008	
	80245	133	X	Hot-Mix Asphalt – Anti-Stripping Additive	Nov. 1, 2009	
	80246	134	X	Hot-Mix Asphalt – Density Testing of Longitudinal Joints	Jan. 1, 2010	
	80250	135	X	Hot-Mix Asphalt – Drop-Offs	Jan. 1, 2010	
	80259	136	X	Hot-Mix Asphalt – Fine Aggregate	April 1, 2010	
	80109			Impact Attenuators	Nov. 1, 2003	Nov. 1, 2008
	80110			Impact Attenuators, Temporary	Nov. 1, 2003	Jan. 1, 2007
	80252	137	X	Improved Subgrade	Jan. 1, 2010	
*	80266			Lane Closure, Multilane, Intermittent or Moving Operation, for Speeds ≤ 40 MPH	Jan. 1, 2011	Jan. 2, 2011
	80230	140	X	Liquidated Damages	April 1, 2009	
*	80267			Long-Span Guardrail over Culvert	Jan. 1, 2011	
	80045			Material Transfer Device	June 15, 1999	Jan. 1, 2009
	80203	141	X	Metal Hardware Cast into Concrete	April 1, 2008	April 1, 2009
	80165			Moisture Cured Urethane Paint System	Nov. 1, 2006	Jan. 1, 2010

File Name	Pg #		Special Provision Title	Effective	Revised
80238			Monthly Employment Report	April 1, 2009	Jan. 1, 2010
* 80253			Movable Traffic Barrier (NOTE: This Special Provision was previously named *"Moveable Traffic Barrier System"*.)	Jan. 1, 2010	Jan. 1, 2011
* 80262	**142**	X	Mulch	Nov. 1, 2010	Jan. 1, 2011
80180	**146**	X	National Pollutant Discharge Elimination System / Erosion and Sediment Control Deficiency Deduction	April 1, 2007	Nov. 1, 2009
80208			Nighttime Work Zone Lighting	Nov. 1, 2008	
80231	**148**	X	Pavement Marking Removal	April 1, 2009	
80254			Pavement Patching	Jan. 1, 2010	
80022	**149**	X	Payments to Subcontractors	June 1, 2000	Jan. 1, 2006
80232	**151**	X	Pipe Culverts	April 1, 2009	April 1, 2010
* 80263			Planting Perennial Plants	Jan. 1, 2011	
80210			Portland Cement Concrete Inlay or Overlay	Nov. 1, 2008	
80217	**155**	X	Post Clips for Extruded Aluminum Signs	Jan. 1, 2009	
* 80268	**156**	X	Post Mounting of Signs	Jan. 1, 2011	
80171	**157**	X	Precast Handling Holes	Jan. 1, 2007	
80218			Preventive Maintenance – Bituminous Surface Treatment	Jan. 1, 2009	April 1, 2009
80219			Preventive Maintenance – Cape Seal	Jan. 1, 2009	April 1, 2009
80220			Preventive Maintenance – Micro-Surfacing	Jan. 1, 2009	
80221			Preventive Maintenance – Slurry Seal	Jan. 1, 2009	
80015	**159**	X	Public Convenience and Safety	Jan. 1, 2000	
3426I			Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2006
80157			Railroad Protective Liability Insurance (5 and 10)	Jan. 1, 2006	
80247	**160**	X	Raised Reflective Pavement Markers	Nov. 1, 2009	April 1, 2010
* 80172	**161**	X	Reclaimed Asphalt Pavement (RAP)	Jan. 1, 2007	Jan. 1, 2011
80224			Restoring Bridge Approach Pavements Using High-Density Foam	Jan. 1, 2009	
80131	**169**	X	Seeding	July 1, 2004	July 1, 2010
80264			Selection of Labor	July 2, 2010	
80152	**172**	X	Self-Consolidating Concrete for Cast-In-Place Construction	Nov. 1, 2005	July 1, 2010
80132	**177**	X	Self-Consolidating Concrete for Precast Products	July 1, 2004	July 1, 2010
80127			Steel Cost Adjustment	April 2, 2004	April 1, 2009
80255			Stone Matrix Asphalt	Jan. 1, 2010	
80234			Storm Sewers	April 1, 2009	April 1, 2010
80143	**179**	X	Subcontractor Mobilization Payments	April 2, 2005	
80075			Surface Testing of Pavements	April 1, 2002	Jan. 1, 2007
* 80087	**180**	X	Temporary Erosion Control	Nov. 1, 2002	Jan. 1, 2011
80225			Temporary Raised Pavement Marker	Jan. 1, 2009	
* 80256			Temporary Water Filled Barrier (NOTE: This special provision was previously named *"Temporary Longitudinal Traffic Barrier System"*.)	Jan. 1, 2010	Jan. 1, 2011
80257	**184**	X	Traffic Barrier Terminal, Type 6	Jan. 1, 2010	
* 80269			Traffic Control Surveillance	Jan. 1, 2011	
20338			Training Special Provisions	Oct. 15, 1975	
80258			Truck Mounted/Trailer Mounted Attenuators	Jan. 1, 2010	
80071			Working Days	Jan. 1, 2002	

The following special provisions are in the 2011 Supplemental Specifications and Recurring Special Provisions:

File Name	Special Provision Title	New Location	Effective	Revised
80214	Concrete Gutter, Type A	Article 606.07	Jan. 1, 2009	
80178	Dowel Bars	Article 1006.11	April 1, 2007	Jan. 1, 2008
80201	Hot-Mix Asphalt – Plant Test Frequency	Article 1030.05	April 1, 2008	Jan. 1, 2010
80251	Hot-Mix Asphalt – QC/QA Acceptance Criteria	Article 1030.05	Jan. 1, 2010	
80202	Hot-Mix Asphalt – Transportation	Article 1030.08	April 1, 2008	
80196	Mast Arm Assembly and Pole	Article 1077.03	Jan. 1, 2008	Jan. 1, 2009
80182	Notification of Reduced Width	Article 701.06	April 1, 2007	
80069	Organic Zinc-Rich Paint System	Article 1008.05	Nov. 1, 2001	Jan. 1, 2010
80216	Partial Exit Ramp Closure for Freeway/Expressway	Section 701	Jan. 1, 2009	
80209	Personal Protective Equipment	Article 701.12	Nov. 1, 2008	
80119	Polyurea Pavement Marking	Sections 780, 1095 and 1105	April 1, 2004	Jan. 1, 2009
80170	Portland Cement Concrete Plants	Article 1020.11	Jan. 1, 2007	
80211	Prismatic Curb Reflectors	Articles 782.03 and 1097.04	Nov. 1, 2008	
80223	Ramp Closure for Freeway/Expressway	Section 701	Jan. 1, 2009	
80183	Reflective Sheeting on Channelizing Devices	Article 1106.02	April 1, 2007	Nov. 1, 2008
80206	Reinforcement Bars – Storage and Protection	Article 508.03	Aug. 1, 2008	April 1, 2009
80176	Thermoplastic Pavement Marking	Article 1095.01	Jan. 1, 2007	

The following special provisions require additional information from the designer. The additional information needs to be included in a separate document attached to this check sheet. The Project Development and Implementation section will then include the information in the applicable special provision. The Special Provisions are:

- Bridge Demolition Debris
- Building Removal-Case I
- Building Removal-Case II
- Building Removal-Case III
- Building Removal-Case IV
- Completion Date
- Completion Date Plus Working Days
- DBE Participation
- Material Transfer Device
- Railroad Protective Liability Insurance
- Training Special Provisions
- Working Days

Illinois Department of Transportation

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 of Materials" in effect on the date of invitation of bids, and the Supplemental Specifications and Recurring Special Provisions indicated on the Check Sheet included here in which apply to and govern the construction of 06-00400-00-RS, WINNEBAGO COUNTY, and in case of conflict with any part, or parts, of said Specifications, the said Special Provisions shall take precedence and shall govern.

LOCATION & DESCRIPTION OF THE WORK

The contract consists of resurfacing Meridian Road (C.H. 24) from just south of Cunningham Road to just north of Knapp Road. Within this 8.2 mile resurfacing project there are six intersection improvements (W. State Street, Auburn Road, Safford Road, Dickenson Road, Cemetery Road, and Latham Road. The work shall include earth excavation, aggregate base, HMA pavement, PCC base, aggregate and HMA shoulders, seeding and landscaping, striping and other related items. The total length of the project is 46,334 feet (8.8 miles).

COOPERATION WITH UTILITIES

It shall be the responsibility of the Contractor to cooperate and coordinate with the utilities in accordance with Articles 105.07 and 107.31. Call J.U.L.I.E. at 1-800-892-0123 before digging.

The agencies listed below shall be contacted for any necessary communication:

AT&T
c/o David Saint-Germain
2408 8th Avenue
Rockford, IL 61108
(815) 394-7297

Commonwealth Edison
c/o Mike Lenox
123 Energy Avenue
Rockford, IL 61109
(815) 490-2869

Comcast
c/o Mike Owens
4450 Kishwaukee Street
Rockford, IL 61109
(815) 395-8977

Nicor Gas
c/o Connie Lane
1844 Ferry Road
Naperville, IL 60563-9600
(815) 378-5750

Rock River Water Reclamation
3333 Kishwaukee Street
P.O. Box 7480
Rockford, IL 61126-7480
(815) 387-7400

City of Rockford
c/o Jon Hollander
425 E. State Street
Rockford, IL 61104
(815) 987-5570

4" Sanitary Force Main
Thermo Fisher
c/o Ken Deill
3747 N. Meridian Road
P.O. Box 117
Rockford, IL 61105

The contractor shall make his own investigation to verify or determine the existence, nature and location of all the utilities and structures on the site that may interfere with the construction **before** starting his operations. Winnebago County has coordinated with the various utilities that need to be relocated; however, this relocation work maybe unfinished at the time of this letting.

COMPLETION DATE

The Contractor shall perform the work in such a manner that Meridian Road and all improved side streets, including State Street, are open to two-way traffic by November 19, 2011. The Contractor shall not begin the Meridian / Auburn intersection improvements in 2011 unless he can demonstrate in the schedule that the improvement can be completed and the road opened to two-way traffic before November 19, 2011. Failure to comply with this opening date will result in the Contractor being assessed liquidated damages per article 108.09 of the Standard Specifications for Road and Bridge Construction. "Open to two-way traffic" will be defined as the completion of all HMA binder lifts, shoulders, temporary striping, and signage. If weather and schedule permit, the contractor is encouraged to construct the HMA surface lift; however, no surface will be allowed to be placed if the permanent striping cannot be placed as well.
The entire project shall be completed including all punch list items, by June 15, 2012. Failure to comply with this completion date will result in the Contractor being assessed liquidated damages per article 108.09 of the Standard Specifications for Road and Bridge Construction. Any additional costs, including traffic control, as a result of the Contractor's failure to meet either completion date shall be at the Contractor's expense and no additional compensation will be allowed.

TRAFFIC CONTROL

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:

701001	701006	701011	701201	701301	701306	701311
701326	701421	701501	701701	701901	702001	
BLR 21	BLR 22	720011	728001	729001		

General:

Where construction activities involve sidewalks on both sides of the street, the work shall be staged so that both sidewalks are not out of service at the same time.

Signs:

No bracing shall be allowed on post-mounted signs.

Signs shall be mounted on steel posts using standard 720011, 728001, 729001, or on 4" x 4" wood posts per Section 730 of the Standard Specifications for Road and Bridge Construction. Other "break away" connections can be used if accepted by FHWA and a corresponding letter is provided to the Engineer.

All signs are required on both sides of the road when the median is greater than 10 feet and on one way roadways.

The "WORKER" (W21-1a(O)-48) signs shall be replaced with symbol "Right or Left Lane Closed Ahead" (W4-2R or L(O)48) signs on multilane roadways.

"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 1 mile intervals or as directed by the Engineer.

"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.

Devices:

A minimum of 3 drums spaced at 4 feet (1.2 meters) shall be placed at each return when the sideroad is open.

Direction Indicator Barricades shall exclusively be used in lane closure tapers. They shall be used only when traffic is being merged with an adjacent through lane or shifted onto a median crossover.

Vertical barricades shall not be used in weaves, and in the gore areas on Highway Standard 701411.

Lights:

Steady burn mono-directional lights are required on devices delineating a widening trench.

Flaggers:

Flaggers shall comply with all requirements contained in the Department's "Flagger Handbook" with the following exception: The ANSII 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: Cunningham Road, Both Ramps at the US-20 interchange, Clarement Street, Remembrance Drive, Warrior Drive, West State Street, Auburn Road, Safford Road, Dickenson Road, Cemetery Road, and Latham Road. When the mainline is regulated by flaggers, no intersections shall be allowed to be closed except those marked in the plans (Auburn Road, Cemetery Road, and Latham Road). The remaining intersections and the following major commercial driveways shall be regulated with one flagger. Major commercial driveways for this project shall be: STA 284+81 Lt. (Auction) STA 285+40 Lt. & STA 288+50 Lt. (Buckeye Terminals), STA 294+05 Lt., STA 295+88 Rt., STA 312+49 Lt. (Shell Gas Station), STA 313+90 (Meridian Implement), STA 316+51 Lt. (Roy Gayle), STA 350+30 Lt ., STA 363+35 (Tom's Road), STA 368+42 (Flora Road), STA 383+99 (Sedgewick Drive), STA 397+04 (Hava View Drive), STA 476+18 Rt. (Thermo Fisher), STA 489+85 (Porter Road), STA 568+31 (Blacklaws Road), STA 631+02 (Alvina Road), and STA 647+60 (Halley Road). All flaggers, signs and devices to complete this work shall be included in the cost per Lump Sum for Traffic Control Complete.

When the road is closed to through traffic and it is necessary to provide access for local traffic, all flaggers as shown on the applicable standards will be required. No reduction in the number of flaggers shall be allowed.

Standard 701701:

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 is to be a mirror image to what is shown in the standard.

MERIDIAN / LATHAM / CEMETERY CLOSURE: The Contractor shall erect two trailer mounted message boards on Meridian Road for north and south bound traffic 7 calendar days prior to the closure of Meridian Road between Cemetery Road and Latham Road. The Contractor shall also erect one trailer mounted message board on Latham Road for west bound traffic and one message board on Cemetery Road for east bound traffic. The message boards shall be used to notify the traveling public of the date of closure. Special attention is called to the residents that utilize the east leg of Cemetery Road. The Contractor shall provide reasonable access for these residents during the construction of the improvements at Cemetery Road. The Contractor shall provide all signs and barricades necessary to close intersecting side streets as detailed in the Detour Plan and in the Standard Drawings, in accordance with this special provision and as directed by the Engineer.

The Contractor shall perform his work in such a manner so that reasonable access for all residents, property owners and emergency vehicles within the work limits shall be maintained at all times.

MERIDIAN / AUBURN CLOSURE: The Contractor shall erect two trailer mounted message boards on Meridian Road for north and south bound traffic 7 calendar days prior to the closure of Meridian Road and Auburn Road. The Contractor shall also erect two trailer mounted message boards on Auburn Road for west bound and east bound traffic. The message boards shall be used to notify the traveling public of the date of closure. Special attention is called to the business on the east leg of Auburn Road. The Contractor shall provide reasonable access for this business during the construction of the improvements at Auburn Road. The contractor shall provide three (3) - 30" x 24" signs to direct motorists to the business. The placement and message of the signs will be determined by the Engineer. The Contractor shall provide all signs and barricades necessary to close intersecting side streets as detailed in the Detour Plan and in the Standard Drawings, in accordance with this special provision and as directed by the Engineer.

The Contractor shall perform his work in such a manner so that reasonable access for all residents, property owners and emergency vehicles within the work limits shall be maintained at all times.

Road Closure:

The road closure(s) shall be completed using Type III barricades in compliance with Standards 701901, BLR 21 and BLR 22. One set of four (4)Type III barricades shall be placed and maintained as detailed on the detour plan at locations where traffic is to be prohibited from entering the work zone. This set of four (4) barricades shall be placed from edge of shoulder to edge of shoulder to prohibit vehicles from entering the work zone. One set of two (2) Type III barricades shall be placed and maintained as detailed on the detour plan at all locations where local traffic is permitted to enter and exit the work zone. This set of two (2) barricades shall be placed so that one (1) barricade is placed in the center of each lane but offset 100 feet from each other. Two flashers shall be installed above each Type III barricade on the traveled lanes.

Flashers shall be installed above the first two warning signs involving a night time road closure. These units shall operate during hours of darkness.

The Contractor shall furnish, erect and maintain signs as detailed on the detour plan and staging plan and as directed by the Engineer. This work as described above and as detailed in the Detour Plan and in the Staging Plan and in the Standards will be paid for at the contract unit price per lump sum for TRAFFIC CONTROL COMPLETE.

MAINTENANCE OF TRAFFIC

The Contractor shall provide traffic control for the convenience and protection of workers and for vehicular and pedestrian traffic. Special attention is called to Articles 107.09 and to 107.14 of the Standard Specifications. The Contractor shall provide the proposed work schedule at the preconstruction meeting for approval by the Engineer.

On the date that the Contractor begins work, he shall assume responsibility for the normal maintenance of all existing pavement, drives, drainage structures and temporary surfaces within the limits of the improvement. Normal maintenance shall include all repair work deemed necessary by the Engineer but shall not include snow removal operations. This responsibility shall end upon the completion and acceptance of all the pay items in this contract. No additional compensation shall be allowed for maintenance, which cost shall be included in the various pay items in the contract.

All streets and driveway entrances shall be kept in a condition satisfactory to the Engineer to allow continuous access for all local residents and emergency vehicles. Special attention is brought to the improvements between Cemetery Road and Latham Road, especially the east leg of Cemetery Road. At all times and to the satisfaction of the Engineer, the contractor shall provide access to residents and emergency vehicles within the work limits. At the preconstruction meeting, the Contractor shall present a plan to the Engineer for approval that addresses access to residents within the closure. No additional compensation will be allowed. Special attention is brought to the improvements between Cunningham Road and State Street. During the construction of the HMA shoulders, the contractor will not be allowed to disrupt any business access during normal business hours (7:00 A.M through 5:00 P.M, Monday through Saturday). Access to these businesses must be provided and maintained throughout the length of the project. At the preconstruction meeting, the Contractor shall present a plan to the Engineer for approval that outlines the schedule and duration of the HMA shoulder improvements. No work that disrupts traffic on Meridian Road at the intersection of State Street will be allowed between the hours of 1:00 P.M. and 6:00 P.M. See staging plan for details.

Dust control during construction operations shall be considered a part of maintenance and shall be done to the satisfaction of the Engineer.

EARTH EXCAVATION

This work shall be done in accordance with Section 202 and 205 of the Standard Specifications, as shown on the plans, as specified herein, and as directed by the Engineer. Embankment shall not be paid for separately, but shall be considered incidental to earth excavation. This work shall include any overhaul and no additional compensation will be allowed.

This work shall include, but is not limited to: the excavation, as shown in the typical sections and cross-sections, the removal and satisfactory disposal of all excess earth, bituminous pavements, fencing, aggregate basses, concrete and other incidental items as shown in the plans. This work shall also include the shoulder widening required for guardrail terminals as detailed in Standard 630301, 631031, and BLR 23-3.

This work shall include the complete removal of the concrete foundation and feed lot floor to one (1) foot outside the ROW, and as directed by the Engineer, in the SW quadrant of the intersection of Meridian Road and Cemetery Road. The saw cut (full depth) shall be paid for separately, but the removal of the concrete shall be considered incidental to the earth excavation.

This work shall include the hauling and dumping of 275 C.Y. of clean earth excavation (soil), as directed by the Engineer, along the frontage of the Ray Murray property (STA 146+60 – Meridian Road). This work will not be paid for separately, but shall be included in the cost of earth excavation.

Special attention is brought to article 202.03 of the Standard Specifications with regard to the proper disposal of excess earth excavation, construction and demolition debris or waste. IEPA from LPC 663 (Uncontaminated Soil Certification for P.E.) has been included in the proposal for use by the Contractor in preparing his bid. Based on these certifications, no contaminated soils are anticipated within the limits of the project. The Contractor shall conduct the earth excavation operation in such a way as to minimize the mixing of clean soil with construction debris. If the Contractor chooses to dispose of excess soil, construction and demolition debris, or waste at an IEPA regulated facility, the Contractor shall be responsible to perform all necessary testing, documentation, and correspondence to comply with all IEPA requirements. This work shall not be paid for separately, but shall be considered incidental to the earth excavation.

Earth excavation and embankment placement will not be paid for separately, but shall be paid for at the contract unit price per cubic yard for EARTH EXCAVATION.

EXCAVATING AND GRADING EXISTING SHOULDER

This work shall be done in accordance with Section 202 and 205 of the Standard Specifications, as shown on the plans, as specified herein, and as directed by the Engineer. This item is to be used to pay for the excavation required to construct the HMA shoulders from Cunningham Road to State Street. Where excavation is to cut across existing HMA driveways or side streets, the contractor shall saw cut (full depth) at a line meeting the limits of required excavation and as directed by the Engineer. The saw cut is to be paid for at the contract unit price per foot for SAW CUTTING (FULL-DEPTH).

The contractor shall conduct his work across existing driveways and side streets in such a way that once the excavation is complete and the subgrade is approved by the Engineer, aggregate base shall be placed and compacted in accordance with section 402 of the Standard Specifications. Aggregate base shall be paid for at the contract unit price per ton for AGGREGATE FOR TEMPORARY ACCESS. The temporary aggregate shall be removed and reused when construction of the HMA shoulder requires it. The removal and reuse will not be paid for separately, but shall be considered included in the contract unit price per ton for AGGREGATE FOR TEMPORARY ACCESS.

Upon completion of the final HMA lift, the contractor shall restore the slope along the edge of shoulder. The cost of grading and landscaping shall be incidental to excavating and grading existing shoulder.

The excavation shall be paid for at the contract unit price per unit for EXCAVATING AND GRADING EXISTING SHOULDER.

COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT

This work shall be done in accordance with Section 440 and 606 of the Standard Specifications, as shown on the plans, as specified herein, and as directed by the Engineer. This item is to be used on the west leg of West State Street and at locations marked by the Engineer on Meridian Road. The contractor shall saw cut (full depth) along the flag of the existing curb and gutter. The saw cut is to be paid for at the contract unit price per foot for SAW CUTTING (FULL-DEPTH). The contractor shall exercise care during the removal so as not to damage any adjacent items, such as pavement, drainage structures, etc. If these items become damaged, the contractor shall repair the damaged items, at no additional cost to the contract and to the satisfaction of the Engineer. If the adjacent pavement is PCC, the contractor shall tie the PCC pavement to the new curb and gutter with tie bars at 30" centers in accordance with section 442 of the Standard Specifications. The cost of this work shall be paid for separately at the contract unit price per each for TIE BARS, ¾". The new curb and gutter shall match the type of removed curb and gutter and shall be constructed so that the flag matches the existing pavement elevation. The thickness of the flag shall match the distance from the subgrade of the existing curb and gutter being removed to the finished grade of the HMA overlay. Additional concrete thickness will not be paid for separately, but shall be included in combination concrete curb and gutter removal and replacement.

This work, except as noted above, shall be paid for at the contract unit price per foot for COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT.

CONCRETE MEDIAN SURFACE REMOVAL

This work shall be done in accordance with the applicable portions of Section 440 of the Standard Specifications, as shown on the plans, as specified herein, and as directed by the Engineer. This item is to be used to remove existing concrete median surface at corner islands and at medians. When the existing curb and gutter is to remain in place, the contractor shall perform the work in such a way so as not to damage the curb to remain. If the contractor damages the existing curb, the damaged curb and gutter, as marked by the Engineer, shall be completely removed and replaced at no additional cost to the contract. Where the existing curb and gutter is to be removed, the cost of removing the curb and gutter shall be paid for separately.

This work shall be paid for at the contract unit price per square foot for CONCRETE MEDIAN SURFACE REMOVAL.

MEDIAN SURFACE REMOVAL AND REPLACEMENT
This work shall be done in accordance with the applicable portions of Section 440 and 606 of the Standard Specifications, as shown on the plans, as specified herein, and as directed by the Engineer. This item is to be used to remove existing concrete median surface and to construct new median surface. This work shall include grading the subgrade and any additional aggregate or the removal of any aggregate to construct a 4" median surface. The contractor shall exercise care during the removal so as not to damage any adjacent items not marked to be removed. If the contractor damages any of these items, they shall be completely removed and replaced to the satisfaction of the Engineer at no additional cost to the contract. Where the existing curb and gutter is to be removed, the cost of removing the curb and gutter shall be paid for separately.

This work shall be paid for at the contract unit price per square foot for MEDIAN SURFACE REMOVAL AND REPLACEMENT.

CORRUGATED MEDIAN REMOVAL
This work shall be done in accordance with the applicable portions of Section 440 of the Standard Specifications, as shown on the plans, as specified herein, and as directed by the Engineer. This item is to be used to remove existing corrugated median on Meridian Road. The contractor shall saw cut (full depth) along the joint between the HMA pavement and the concrete median and along the edge between gutters and the concrete median. The saw cut is to be paid for at the contract unit price per foot for SAW CUTTING (FULL-DEPTH). The contractor shall exercise care during the removal so as not to damage any adjacent items, such as pavement, drainage structures, etc. If these items become damaged, the contractor shall repair the damaged items, at no additional cost to the contract and to the satisfaction of the Engineer.

This work shall be paid for at the contract unit price per square foot for CORRUGATED MEDIAN REMOVAL.

CONCRETE HEADWALL REMOVAL
This work shall be done in accordance with the applicable portions of Section 501 of the Standard Specifications, as shown on the plans, as specified herein, and as directed by the Engineer. This item is to be used to remove existing concrete wingwalls at STA 473+61. Prior to any demolition work, the contractor shall perform a full depth saw cut along the full length of the joint where the two wingwalls connects to the box culvert, as shown on the plans and as directed by the Engineer. The cost of the saw cut will not be paid for separately, but shall be considered incidental to CONCRETE HEADWALL REMOVAL.

This work shall be paid for at the contract unit price per cubic yard for CONCRETE HEADWALL REMOVAL.

METAL END SECTION
METAL END SECTION, EQUIVALENT ROUND SIZE
This work shall be done in accordance with the applicable portions of Section 542 of the Standard Specifications, as shown on the plans, as specified herein, and as directed by the Engineer. The material of the end section shall match the material of the culvert to which it is to be connected. Polyethylene end sections will not be allowed.

This work shall be paid for at the contract unit price per each of the size specified for METAL END SECTION and METAL END SECTION, EQUIVALENT ROUND SIZE.

STORM SEWERS TO BE CLEANED
This work shall be done in accordance with the applicable portions of Section 550 of the Standard Specifications, as specified herein, and as directed by the Engineer. This item has been inserted as a contingency item for the storm sewer work at the State Street intersection and will be used if the Engineer determines that existing storm sewers have sufficient sediment in the bottom of the pipe requiring removal in order to properly facilitate drainage. When the Engineer directs the Contractor, the Contractor shall provide a truck capable of dislodging sediment and vacuuming and storing dislodged materials for an entire run of pipe. This work shall commence at the downstream end and proceed upstream from manhole to manhole or inlet to inlet, as directed by the Engineer and to the satisfaction of the Engineer.

This work shall include all equipment and labor to perform the work describe above and shall be paid for at the contract unit price per foot for STORM SEWERS TO BE CLEANED.

INLET SPECIAL
INLET SPECIAL WITH TYPE 9 FRAME AND GRATE
INLET SPECIAL, NO. 1
This work shall be done in accordance with the applicable portions of Section 602 of the Standard Specifications, as shown on the plans, as specified herein, and as directed by the Engineer. See Winnebago County standard drawing INLET SPECIAL NO. 1; IDOT District 2 standard drawing Inlet Special, Inlet Special (Type A Gutter), and Frame and Grate for Inlet Special for specific details.

This work shall be paid for at the contract unit price per each of the type specified for INLET SPECIAL.

MANHOLE SPECIAL WITH TYPE 3 FRAME AND GRATE
This work shall be done in accordance with the applicable portions of Section 602 of the Standard Specifications, as shown on the plans, as specified herein, and as directed by the Engineer. See IDOT standard Manhole Type A 9' Diameter and standard Frame and Grate Type 3 for specific details.

This work shall be paid for at the contract unit price per each for MANHOLE SPECIAL WITH TYPE 3 FRAME AND GRATE.

CONCRETE MEDIAN TYPE SB-6.06 (SPECIAL)
This work shall be done in accordance with the applicable portions of Section 606 of the Standard Specifications, as shown in IDOT standard drawing 606301, as modified in the plans, as specified herein, and as directed by the Engineer. The SB-6 Special Median shall be constructed with a 6 inch gutter flag on the turn lane side and a 24 inch gutter flag on the side adjacent to the through traffic.

This work shall be paid for at the contract unit price per square foot for CONCRETE MEDIAN TYPE SB-6.06 (SPECIAL).
TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
This work shall be done in accordance with the applicable portions of Section 631 of the Standard Specifications, as shown in IDOT standard drawing 630301, as modified in the plans, as specified herein, and as directed by the Engineer. The standard drawing is to be modified so that the terminal is not to be offset from the edge of shoulder line, but is to remain parallel (tangent) to the shoulder line. The widening for the terminal is to be constructed as shown in standard 630301 and shall be considered incidental to EARTH EXCAVATION.

This work shall be paid for at the contract unit price per each for TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT.

GUARDRAIL REMOVAL
This work shall be done in accordance with the applicable portions of Section 632 of the Standard Specifications, as shown on the plans, as specified herein, and as directed by the Engineer. The contractor shall use care in the removal of salvageable items. Items marked by the Engineer for salvage shall be stored neatly and safely for pick up by the Winnebago County Highway Department. Items not marked for salvage shall become the property and responsibility of the Contractor and shall be disposed of in accordance with Section 632.

This work shall be paid for at the contract unit price per foot for GUARDRAIL REMOVAL.

GROOVING FOR RECESSED PAVEMENT MARKING

This work shall consist of the grooving of an existing pavement surface in preparation for application recessed pavement marking lines.

Equipment

The grooving equipment shall be equipped with a free-floating cutting or grinding head. The grinding or cutting head shall be equipped with diamond saw blades, steel star cutters and / or carbide tipped star cutters. A grinder head configuration may be used on hot-mix asphalt (HMA) surfaces to achieve a rough surface texture in the bottom of the groove. Diamond saw blades shall be used on the cutting head when a smooth surface in the bottom of the groove is required by the Engineer, or contract specifications, or pavement marking material manufacturer's recommendations.

Construction Requirements

Pavement Grooving Methods:

The grooves for recessed pavement markings shall be constructed using the following methods.

a) Wet Saw Blade Operation. When water is required or used to cool the saw blades, such as during a continuous edge line grooving operation, the groove shall be flushed with high pressure water immediately following the cut to avoid build up and hardening of slurry in the groove. The pavement surface shall be allowed to dry for 24 hours prior to the application of the pavement markings following a wet saw blade operation.
b) Dry Saw Blade Operation. If the grooving is done with dry saw blades, the groove shall be flushed with high-pressure air to remove debris and dust generated during the cutting operation.

Pavement Grooving

Grooves shall be cut into the pavement prior to the application of the pavement marking. The grooves shall be cut such that the width is 1 in. (25 mm) wider than that of the line to be placed. Grooves for letters and symbols shall be cut in a shape so that the entire marking will fit. The position of the edge of the grooves shall be a minimum of 2 in. (50 mm) from the edge of concrete joints or HMA paving seams along edge or centerlines. The depth of the groove shall not be less than the manufacturer's recommendation for the marking material specified, but shall be installed to a minimum depth of 100 mils (2.54 mm) +/- 10 mils for pavement marking tapes and 40 mils (1.02 mm) +/- 10 mils for liquid markings.

On new HMA surfaces, the Engineer shall determine if the new HMA has achieved the necessary strength and hardness to support grooving prior to the start of a grooving operation. Some HMA mixes may require 14 or more days to achieve adequate hardness to support a grooving operation. On existing HMA surfaces, some existing HMA pavements may not be strong enough to support a grooving operation. For existing HMA pavements, the Engineer shall determine if the existing HMA has the necessary strength and hardness to support grooving prior to the start of a grooving operation.

Cleaning

Immediately prior to the application of the pavement markings, the groove shall be cleaned with high-pressure air blast.

Method of Measurement and Payment

This work will not be measured separately but shall be considered incidental to PREFORMED PLASTIC PAVEMENT MARKING, TYPE B – INLAID of the width specified.

PREFORMED PLASTIC PAVEMENT MARKING, TYPE B – INLAID

This work shall be done in accordance with the applicable portions of Section780 of the Standard Specifications, as shown on the plans, as specified herein, and as directed by the Engineer. This work shall consist of furnishing and installing retroreflective preformed patterned pavement markings in accordance with this provision and in reasonably close conformance to the dimensions and lines shown on the plans or established by the engineer.

II. MATERIALS - GENERAL

The preformed patterned markings shall consist of white or yellow films with clear and/or yellow-tinted microcrystalline ceramic beads incorporated to provide immediate and continuing retroreflection. These films shall be manufactured without the use of lead chromate pigments or other similar, lead-containing chemicals.

When called for on the plans, preformed words and symbols shall conform to the applicable shapes and sizes as outlined in the "Manual on Uniform Traffic Control Devices for Streets and Highways."

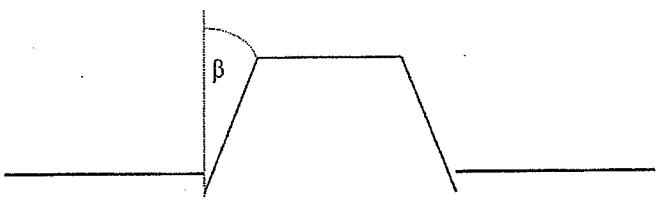
The preformed markings shall be capable of being adhered to asphaltic cement concrete and Portland cement concrete by a pre-coated pressure sensitive adhesive. A surface preparation adhesive may be used to precondition the pavement surface. The preformed markings shall conform to pavement contours by the action of traffic. The pavement markings shall be capable of application on new, dense and open-graded asphalt concrete wearing courses during the paving operation in accordance with the manufacturer's instructions. After application, the markings shall be immediately ready for traffic. The bidder shall identify proper surface preparation adhesives (where necessary) to be applied at the time of application, all equipment necessary for proper application, and recommendations for application that will assure effective product performance. The preformed markings shall be suitable for use for one year after the date of receipt when stored in accordance with the manufacturer's recommendations.

III. CLASSIFICATION

The markings shall be highly durable, retroreflective, pliant polymer materials designed for longitudinal, transverse, and symbol/legend markings subjected to high traffic volumes and severe wear conditions such as shear action from crossover or encroachment on typical longitudinal configurations such as edge lines and lane lines and typical transverse configurations such as stop bars and crosswalks.

IV. REQUIREMENTS

Composition: The retroreflective pliant polymer pavement markings shall consist of a mixture of high-quality polymeric materials, pigments and glass beads distributed throughout its base cross-sectional area, and an embedded reinforcing net, and a reflective layer of microcrystalline ceramic beads bonded to a durable polyurethane topcoat surface. The patterned surface shall have approximately 50% + or - 15% of the surface area raised and presenting a near vertical face (ß angle of 0° to 60°) to traffic from any direction. (See diagram below.) The channels between the raised areas shall be substantially free of exposed beads or particles.



Reflectance: The white and yellow markings shall have the following initial expected retroreflectance values as measured in accordance with the testing procedures of ASTM D4061. The photometric quantity to be measured shall be coefficient of retroreflected luminance (R_L) and shall be expressed as millicandelas per square foot per foot-candle [(mcd • ft^{-2}) • fc^{-1}]. The metric equivalent shall be expressed as millicandelas per square meter per lux [(mcd • m^{-2}) • lx^{-1}]. The test distance shall be 100 feet (30 m).

EXPECTED INITIAL REFLECTANCE

	White	Yellow
Entrance Angle	88.76°	88.76°
Observation Angle	1.05°	1.05°
Retroreflected Luminance R_L (mcd • ft^{-2}) • fc^{-1})	500	300

*These retroreflectance values are based on dark room photometric readings per ASTM D4061.

Beads: Index of Refraction: All microcrystalline ceramic beads bonded to the polyurethane-coated, patterned surface of the material shall have a minimum index of refraction of 1.70 when tested using the liquid oil immersion method. The glass beads mixed into the pliant polymer shall have a minimum index of refraction of 1.5 when tested by the liquid oil immersion method.

TESTING PROCEDURE FOR REFRACTIVE INDEX OF BEADS BY LIQUID IMMERSION

I. EQUIPMENT REQUIRED:

A. Microscope (minimum 100X magnification)

B. Light source - preferably sodium light or other monochromatic source, but not absolutely essential

C. Refractive index liquids*

D. Microscope slide and slide cover

E. Mortar and pestle

*Available from R.P. Cargille Laboratories, Inc., Cedar Grove, NJ.

II. PROCEDURE:

A. Using the mortar and pestle, crush a few representative beads and place a few of these crushed particles on a microscope slide.

B. Place a drop of a refractive index liquid, with an index as close to that of the glass as can be estimated, on the particles.

C. Cover the slide with a microscope slide cover and view the crushed particles by transmitted light normal to the slide surface (illuminated from the bottom).

D. Adjust the microscope mirror to allow a minimum light intensity for viewing. This is particularly important if sodium light is not used.

E. Bring a relatively flat and transparent particle into focus.

F. By slightly raising and lowering the objective (microscope tube), look for one or both of the following:

1. Becke Line - This light line will appear to move either into the particle or away from it. In general, if the objective is raised, the line will move toward the material of higher refractive index; if the objective is lowered, the line will move toward the material of lower index.

2. Variation in Particle Brightness - When raising the object from a sharp focus, the particle will appear to get brighter or darker than the surrounding field. If it becomes brighter, the glass has a higher refractive index than the liquid. If it becomes darker, the glass has a lower refractive index than the liquid. In both cases, the opposite will be true if the object is lowered.

G. This test can be used to confirm that the beads are above or below a specified index. It can also be used to give an accurate determination of the index (+ or - 0.001). This is done by using several refractive index liquids until a match or near match of indices occurs. The index of the glass will equal that of the liquid when no Becke line and no variation in bead brightness can be observed.

The size and quality of the beads shall be such that the performance requirements for the retroreflective pliant polymer shall be met.

Acid Resistance: The beads shall show resistance to corrosion of their surface after exposure to a 1% solution (by weight) of sulfuric acid. The 1% acid solution shall be made by adding 5.7cc of concentrated acid into 1000cc of distilled water. CAUTION: Always add the concentrated acid into the water, not the reverse. The test shall be performed as follows:

Take a 1" x 2" sample, adhere it to the bottom of a glass tray and place just enough acid solution to completely immerse the sample. Cover the tray with a piece of glass to prevent evaporation and allow the sample to be exposed for 24 hours under these conditions. Then decant the acid solution (do not rinse, touch or otherwise disturb the bead surfaces) and dry the sample while adhered to the glass tray in a 150° F. (66° C.) oven for approximately 15 minutes.

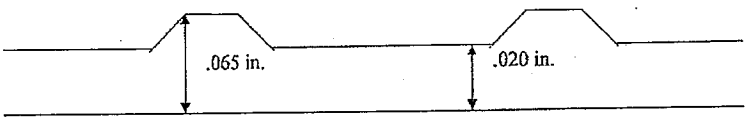
Microscopic examination (20X) shall show no more than 15% of the beads having a formation of a very distinct opaque white (corroded) layer on their entire surface.

Color: The preformed markings shall consist of white and yellow films with pigments selected and blended to conform to standard highway colors.

Skid Resistance: The patterned surface of the retro reflective pliant polymer shall provide an initial average skid resistance value of 45 BPN when tested according to ASTM E303 except values shall be taken in one direction and then at a 45° angle from that direction. These two values shall then be averaged to find the skid resistance of the patterned surface.

Patchability: The pavement marking material shall be capable of use for patching worn areas of the same type in accordance with manufacturer's instructions.

Thickness: The patterned material without adhesive shall have a minimum caliper of 0.065" (1.651mm) at the thickest portion of the patterned cross-section and a minimum caliper of 0.02" (.508mm) at the thinnest portion of the cross-section.



A visual night inspection must be made with a manufacturer's representative and a customer representative present to identify areas of the installation which appear to be below the minimum retained reflectance values of 100 millicandelas per foot squared per foot-candle. Areas which appear to be below the minimum retained reflectance value shall be identified as "zones of measurement." To qualify for material replacement, a "zone" must be at least 360 feet in road length and consist of either edge lines, center lines or lane lines, but not in combination, or a single word or symbol marking. Detailed reflectance measurement procedures are provided in the product bulletin provided by the manufacturer.

VIII. INSTALLATION

The markings shall be Inlaid in accordance with the manufacturer's installation instructions. Marking configurations shall be in accordance with the "Manual on Uniform Traffic Control Devices" and the plans.

Pavement markings labeled in the plans as inlaid shall be installed in a groove cut to a depth of 100 mils +/- 10 mils, one (1) inch wider on each side than the width of the preformed marking called for in the plans. The cost of grooving shall not be paid for separately, but shall be included in the cost of PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID.

This work shall be paid for at the contract unit price per foot of the width specified for PREFORMED PLASTIC PAVEMENT MARKING, TYPE B – INLAID

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
REMOVE EXISTING HANDHOLE
REMOVE EXISTING CONCRETE FOUNDATION:

This work shall be done in accordance with the applicable portions of Section 895 of the Standard Specifications, as shown on the plans, as specified herein, and as directed by the Engineer. The contractor shall conduct his work in such a manner that the existing signals at the intersection of Meridian Road and West State Street shall remain operational until the new signals can become operation. Once the new signals are operational, the contractor can begin removing existing traffic signal equipment.

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT: This work shall include the removal of all existing signal heads, combination mast arm assembly and poles, traffic signal posts, luminaires, emergency detection equipment, controller cabinet and components, service connection and service related components, and electrical cables. The removal of these items will not be paid for individually but shall be considered as one item.

REMOVE EXISTING HANDHOLE: This work shall include the removal of all existing handholes marked on the plans to be removed.

REMOVE EXISTING CONCRETE FOUNDATION: This work shall include the removal of all existing concrete foundations marked on the plan to be removed. The depth of removal shall be a minimum of 2' below the subgrade.

This work shall be paid for at the contract unit price per each of the type specified for REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT; REMOVE EXISTING HANDHOLE; and REMOVE EXISTING CONCRETE FOUNDATION.

SAW CUTTING, (FULL DEPTH)

This work shall be done in accordance with the applicable portions of Section 442 of the Standard Specifications, as specified herein, and as directed by the Engineer. This work shall consist of sawing existing pavements and appurtenances, at locations called out on the plans or as directed by the Engineer, sufficiently deep to cut entirely through the item being cut, leaving a clean and neat edge.

This work shall be paid for at the contract unit price per foot for SAW CUTTING, (FULL DEPTH).

FLARED END SECTION REMOVAL

This work shall be done in accordance with Section 501 of the Standard Specifications, as noted on the plans, and as directed by the Engineer. This work shall include the removal and disposal of precast concrete flared end sections and their toe walls. The removal of metal end sections marked for removal shall not be paid for separately, but shall be considered incidental to PIPE CULVERT REMVOAL.

This work shall be paid for at the contract unit price per each for FLARED END SECTION REMOVAL.

CULVERT EXTENSION

This work shall be done in accordance with the applicable portions of Section 501, 508, and 540 of the Standard Specifications, as noted on the plans, and as directed by the Engineer. The plans show a cast-in-place culvert; however, the Contractor shall have the option of using a precast box. If the Contractor chooses to use a precast box, no adjustment in the cost for the specified cast-in-place culvert will be allowed. Compensation under the contract bid items for concrete box culverts and reinforcement bars shall cover the cost of the precast concrete box culvert alternate complete, including collars required to connect the precast to the existing cast-in-place culvert.

All excavation required to remove the existing wingwalls, construct the proposed box and headwalls shall be considered included in the various items required for extending the culvert and will not be paid for separately.

This work shall be paid for at the contract unit price per cubic yard for CONCRETE HEADWALL REMOVAL; at the contract unit price per pound for REINFORCEMENT BARS; at the contract unit price per each for EXPANSION BOLTS 3/4" x 18"; and at the contract unit price per cubic yard for CONCRETE BOX CULVERTS.

SEGMENTAL CONCRETE BLOCK WALL

Description. This work shall consist of furnishing the design computations, shop plans, materials, equipment and labor to construct a Segmental Concrete Block Retaining Wall with a maximum height of five (5) feet as measured from the top of block elevation to the finished grade line at the wall face.

General. The wall shall consist of a leveling pad, pre-cast concrete blocks, select granular backfill and, if required by the design, soil reinforcement. The materials, fabrication and construction of the wall components are subject to approval by the Engineer. The Engineer reserves the right to obtain random samples for material testing. The wall shall be designed and constructed according to the lines, grades, and dimensions shown on the contract plans and approved shop plans.

Submittals. The wall supplier shall submit design computations and shop plans to the Engineer. The shop plans shall be sealed by an Illinois Licensed Professional Engineer and shall include all details, dimensions, quantities, and cross-sections necessary to construct the wall and shall include, but not limited to the following items:

1) Plan, elevation, and cross-section sheets for each wall showing the following:
    a. A plan view of the wall indicating the offsets from the construction centerline to the first coarse of blocks at all changes in horizontal alignment. These shall be calculated using the offsets to the front face of the block shown on the contract plans and the suppliers proposed wall batter. The plan view shall indicate bottom (and top coarse black when battered), the excavation and select granular backfill limits as well as any soil reinforcing required by the design. The centerline of any drainage structure or pipe behind or passing through / under the wall shall also be shown.
    b. An elevation view of the wall indicating the elevation and all steps in the top course of blocks along the length of the wall. The top of these blocks shall be at or above the theoretical top of block line shown on the contract plans. This view shall also show the steps and proposed top of leveling pad elevations as well as the finished grade line at the wall face specified on the contract plans. These leveling pad elevations shall be located at or below the theoretical top of leveling line shown on the contract plans. The location, size, and length of any soil reinforcing connected to the blocks shall be indicated.
    c. Typical cross-section(s) showing the limits of the select granular backfill, soil reinforcement if used in the design. The right of way limits shall be indicated as well as the proposed excavation, cut slopes, and the elevation relationship between existing ground conditions and proposed grades.
    d. All general notes required for constructing the wall.
2) All details for the leveling pads, including the steps, shall be shown. Theoretical top of the leveling pad shall either be below the anticipated frost depth or 1.5 feet below the finished grade line at the wall face, whichever is greater; unless otherwise shown on the plans. The minimum leveling pad thickness shall be six (6) inches.
3) Cap blocks shall be used to cover the top of the standard block units. The top course of blocks and cap blocks shall be stepped to satisfy the top of block line shown on the contract plans.
4) All details of the block and / or soil reinforcement placement around all appurtenances located behind, on top of, or passing through the wall shall be clearly indicated. Any modifications to the design of these appurtenances to accommodate a particular design arrangement shall also be submitted.
5) All details of the blocks, including color and texture shall be shown. The exterior faces shall preferably be straight, textured with a "split rock face" pattern, and dark gray in color unless otherwise stated on the plans.
6) All block types (standard, cap, corner, and radius turning blocks) shall be detailed showing all dimensions.
7) All blocks shall have alignment / connection devices such as shear keys, leading / trailing lips, or pins. The details for the connection devices between adjacent blocks and the block to soil reinforcement shall be shown. The block set back or face batter shall be limited to 20 degrees from vertical, unless otherwise shown by the plans.

The initial submittal shall include three (3) sets of prints of the detail shop plans and one (1) set of the calculations. One set of plans will be returned to the Contractor with ay corrections indicated. After approval, the Contractor shall furnish the Engineer with eight (8) sets of corrected plan prints for distribution. No work or ordering of material for the structure shall be done by the Contractor until the submittal has been approved in writing by the Engineer.

Materials. The materials shall meet the following requirements:

1) Pre-cast Concrete Block: The block proposed for use shall be produced according to the Department's Policy Memorandum "Quality Control / Quality Assurance Program for Precast Concrete Products", and shall satisfy the following:
    a. Conform to the requirements of ASTM C 1372 except as follows:
        i. Fly ash shall be according to Article 1010.02
        ii. Ground granulated blast-furnace slab shall be according to AASHTO M 302.
        iii. Aggregate shall be according to Articles 1003.02 and 1004.02, with the exception of gradation. Chert gravel may be used based on past in-service satisfactory performance, in the environment in which the product was used.
        iv. Water shall be according to Section 1002.
        v. Testing for freeze-thaw durability will not be required. However, unsatisfactory field performance as determined by the Department will be cause to prohibit the use of the block on Department projects.
2) Select Granular Backfill: The material behind the blocks and above a 1:1 slope extending upward from either the back of the bottom block or soil reinforcement (whichever is greater) shall consist of either a coarse aggregate according to Article 1004.05(a), or a free aggregate according to the first sentence of Article 1003.04(a). The aggregate used shall also meet the following:

Coarse Aggregate Gradation	CA 6 thru CA16 (Article 1004.01(c))
Fine Aggregate Gradation	FA 1, FA2, or FA20 (Article 1003.01(c))
Coarse Aggregate Quality	Minimum Class C (Article 1004.01(b))
Fine Aggregate Quality	Minimum Class C (Article 1003.01(b))
Internal Friction Angle	34 Deg. Minimum (AASHTO T 236)
pH	4.5 to 9 (AASHTO T 289)

    when a fine aggregate is selected, the rear of all block joints shall be covered by a non-woven needle punch geotextile filter material according to Article 1080.05 of the Standard Specifications and shall have a minimum permeability according to ASTM D 4491 of 0.008 cm/sec. All fabric overlaps shall be six (6) inches and none sewn. As an alternative to the geotextile, a coarse aggregate shall be placed against the back face of the blocks to create a minimum twelve (12) inches wide continuous gradation filter to prevent the select fill material from passing through the block joints.
3) Leveling pad: The material shall be either Class SI concrete according to Article 1020.04 or compacted coarse aggregate according to Article 1004.04, (a) and (b). The compacted coarse aggregate gradation shall be CA 6 or CA 10.
4) Soil Reinforcement: If soil reinforcement is required by the approved design, the Contractor shall submit a manufacturer's certification for the soil reinforcement properties which equal or exceeds those required in the design computations. The soil reinforcement shall be manufactured from high density polyethylene (HDPE) uniaxial or polypropylene biaxial resins or high tenacity polyester fibers following standards shall be used in determining and demonstrating the soil reinforcement capacities.

ASTMD-638	Test Method for Tensile Properties of Plastic
ASTMD-1248	Specification for Polyethylene Plastics Molding and Extrusion Materials
ASTM D-4218	Test Method for Carbon Black Content in Polyethylene Compounds
ASTM D-5262	Test Method for Evaluating the Unconfined fension Creep Behavior of Geosynthetics
GG1-Standard	Test Method for Geogrid Rib Tensile Strength
GG2-Standard	Test Method for Geogrid Junction Strength
GG4-Standard	Practice for Determination of the Long Term Design Strength of Geogrid
GG5-Standard	Practice for Evaluating Geogrid Pullout Behavior

Design Criteria. The design shall be according to AASHTO Specifications and commentaries for Earth Retaining Walls, or FHWA Publication No. HI-95-038, SA-96-071 and SA-96-072. The wall supplier shall be responsible for all internal stability aspects of the wall design.

Internal stability design shall insure that adequate factors of safety against overturning and sliding are present at each level of block. If required by design, soil reinforcement shall be utilized and the loading at the block / soil reinforcement connection as well as the failure surface must be indicated. The calculations to determine the allowable load of the soil reinforcement and the factor of safety against pullout shall also be included.

External loads such as those applied through structure foundations, from traffic or railroads, slope surcharge etc., shall be accounted for in the internal stability design. The presence of all appurtenances behind, in front of, mounted upon, or passing through the wall volume such as drainage structures, utilities, structure foundation elements, or other items shall be accounted for in the internal stability design of the wall.

Construction Requirements. The Contractor shall obtain technical assistance from the supplier during wall erection to demonstrate proper construction procedures and shall include all costs related to this technical assistance in the unit price bid for this item.

The foundation material for the leveling pad and select granular backfill volume shall be graded to the design elevation and compacted according to Article 205.06, except the minimum required compaction shall be 95% of the standard laboratory density. Any foundation soils found to be unsuitable shall be removed and replaced as directed by the Engineer and shall be paid for according to Article 109.04.

The select granular backfill lift placement shall closely follow the erection of each coarse of blocks. All aggregate shall be swept from the top of the block prior to placing the next block lift. If soil reinforcement is used, the select granular backfill material shall be leveled and compacted before placing and attaching the soil reinforcement to the blocks. The soil reinforcement shall be pulled taut, staked in place, and select fill placed from the rear face of the blocks outward. The left thickness shall be the lesser of ten (10) inches loose measurement or the proposed block height.

The select granular backfill shall be compacted according to Article 205.06, except the minimum required compaction shall be 95% of the standard laboratory density. Compaction shall be achieved using the minimum of three (3) passes of a lightweight mechanical tamper, roller, or vibratory system. The top twelve (12) inches of backfill shall be a cohesive, imperious material capable of supporting vegetation, unless other details are specified on the plans.

The blocks shall be maintained in position as successive lifts are compacted along the rear face of the block. Vertical, horizontal, and rotational alignment tolerances shall not exceed ½ inch when measured along a ten (10) foot straight edge.

Method of Measurement. Segmental Concrete Block Wall will be measured by the square foot of wall from the top of the block line to the theoretical top of the leveling pad for the length of the wall in a vertical plane, as shown on the contract plans.

This work shall be paid for at the contract unit price per square foot for SEGMENTAL CONCRETE BLOCK WALL.

COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06
COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
This work shall be done in accordance with the applicable portions of Section 606 of the Standard Specifications, detailed in IDOT standard 606001, as specified herein, and as directed by the Engineer.

This work shall be paid for at the contract unit price per foot for the type specified for COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06 AND COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24.

TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL
This work shall be done in accordance with Section 211 of the Standard Specifications, as specified herein, and as directed by the Engineer. The contractor shall salvage and stockpile the required topsoil from within the project limits. The excavation, salvaging, and stockpiling of the topsoil will not be paid for separately but shall be included in this item. The placement of 4" of topsoil shall be accomplished as shown on the typical sections. The contractor shall conduct his work in such a way that the placement of the topsoil shall be closely coordinated with the final landscaping. If erosion of the topsoil occurs between the placement of the topsoil and final landscaping, the contractor shall repair, to the satisfaction of the Engineer, eroded areas by placing additional topsoil at no additional cost to the contract.

This work shall be paid for at the contract unit price per cubic yard for TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL.

VIDEO VEHICLE DETECTION, 4 CAMERAS

Video Vehicle Detection System, 4 Camera

The following video vehicle detection systems meet the specifications outlined in this section and are currently approved for use in District 2:

Iteris Vantage Edge 2 (4 Camera System)
Autoscope Solo Pro (4 Camera System)

The quantity and type of cable that will be required to complete the installation will vary depending on the equipment manufacturer.

The Contractor shall be responsible for determining the cable type and quantities of cable required for the video detection installations. All cable used shall meet current Department specifications, manufacturer's recommendations, and shall be subject to approval by the Engineer.

The video vehicle detection system shall include all necessary cables, electrical junction boxes, electrical and coaxial surge suppression, hardware, software, programming, and any camera brackets that are required for installation. These items should be taken into consideration and shall be included in the bid price for VIDEO VEHICLE DETECTION SYSTEM, 4 CAMERAS PER INTERSECTION PLUS 1 SPARE CAMERA. (THIS COMES TO A TOTAL OF 5 CAMERAS FOR THIS PROJECT.)

If the unit requires the use of a power strip, the power strip/surge suppressor shall conform to the following minimum specifications:

- Let Through Voltage: <85 Volts
- Operating Voltage: 120VAC, 50/60H
- UL Suppressed Voltage Rating: 330V
- Energy Rating: 320J
- Peak Current NM/CM: 13k Amps NM, 13k Amps CM
- EMI/RFI Noise Filtration: >25-60dB

A total of one 12" black and white or color video monitor and trackball shall be included for each installation (one monitor and trackball per intersection cabinet) to allow for the setup and monitoring of the video detection system.

All vehicle video detection systems shall be equipped with the latest software or firmware revisions.

The video vehicle system shall be configured and installed to NEMA TS2 Standards (use of the SDLC port and BIU). Installation conforming to NEMA TS1 standards will not be allowed.

The Contractor shall be responsible for furnishing and installing all necessary camera brackets that are required for the camera installation. The camera mounting brackets shall be of aluminum or steel construction with a natural or white powder coated finish. All brackets shall be submitted to the Department for approval prior to installation. The material and installation shall be completed to the satisfaction of the Engineer.

The minimum requirements for a video vehicle detection system are listed below:

1.0 General

This Specification sets forth the minimum requirements for a system that monitors vehicles on a roadway via processing of video images and provides detector outputs to a traffic controller or similar device. All video detection systems must be approved by the Department. Currently, only Iteris Vantage Plus and Econolite Autoscope Solo Pro video detection systems are approved for use within District 2.

1.1 System Hardware
The system shall consist of four video cameras and an automatic control unit (ACU). The ACU shall process all detected calls and shall be equipped with the latest firmware revisions.

1.2 System Software

The system shall be able to detect either approaching or receding vehicles in multiple traffic lanes. A minimum of 24 detection zones shall be user-definable per camera. The user shall be able to modify and delete previously defined detection zones. The software shall provide remote access operation and shall be the latest revision.

2.0 Functional Capabilities

2.1 Real-Time Detection

2.2 The ACU shall be capable of simultaneously processing information from up to four (4) video sources. The video shall be digitized and analyzed at a rate of 30 times per second.

2.3 The system shall be able to detect the presence of vehicles in a minimum of 96 detection zones within the combined field of view of the image sensors.

3.0 Vehicle Detection

3.1 Detection Zone Placement
The video detection system shall provide flexible detection zone placement anywhere and at any orientation within the combined field of view of the image sensors. In addition, detection zones shall be coordinated with the signal phases. Each detection zone shall provide a minimum of two kinds of detection (extend, delay, presence or counting) as each phase may require. The type of detection provided by the detection zone is to be determined by the active status of the zone's governing phase.

3.2 Optimal Detection
The video detection system shall reliably detect vehicle presence when the image sensor is mounted 30 feet (10 m) or higher above the roadway, when the image sensor is adjacent to the desired coverage area, and when the length of the detection area or field of view (FOV) is not greater than ten (10) times the mounting height of the image sensor. The image sensor shall not be required to be mounted directly over the roadway. A single image sensor, placed at the proper mounting height with the proper lens, shall be able to monitor six (6) to eight (8) traffic lanes simultaneously.

3.3 Detection Performance
Overall performance of the video detection system shall be comparable to inductive loops. Using standard image sensor optics and in the absence of occlusion, the system shall be able to detect vehicle presence with 98% accuracy under normal conditions, (days & night) and 96% accuracy under adverse conditions (fog, rain, snow). The ACU shall output a constant call for each enabled detector output channel if a loss of video signal occurs in any camera.

The ACU shall be capable of processing a minimum of twenty detector zones placed anywhere in the field of view of the camera.

4.0 ACU Hardware

4.1 ACU Mounting
The ACU shall be shelf or rack mountable. Nominal outside dimensions excluding connectors shall not exceed 7.25" x 19" x 10.5" (H x W x D).

4.2 ACU Environmental
The ACU shall be designed to operate reliably in the adverse environment found in the typical roadside traffic cabinet. It shall meet the environmental requirements set forth by the NEMA (National Electrical Manufacturers Association) TS1 and TS2 standards as well as the environmental requirements for Type 170 and Type 179 controllers. The minimum operating temperature range shall be from -35 to +74 degrees C at 0% to 95% relative humidity, non-condensing.

5.0 ACU Electrical

5.1 The ACU shall be modular in design and provide processing capability equivalent to the Intel Pentium microprocessor. The bus connections used to interconnect the modules of the ACU shall be gold-plated DIN connectors.

5.2 The ACU shall be powered by 89 - 135 VAC, 60 Hz, single phase, and draw 0.25 amps, or by 190 - 270 VAC, 50 Hz, single phase and draw 0.12 amps. If a rack mountable ACU is supplied, it shall be capable of operating from 10 to 28 VDC. The power supply shall automatically adapt to the input power level. Surge ratings shall be as set forth in the NEMA TS1 and TS2 specifications.

5.3 Serial communications to a remote computer equipped with remote monitoring software shall be through an RS-232 serial port. A 9-pin "D" subminiature connector on the front of the ACU shall be used for serial communications.

5.4 The ACU shall be equipped with a NEMA TS2 RS-485 SDLC interface for communicating input and output information. Front panel LEDs shall provide status information when communications are open.

5.5 The ACU and/or camera hookup panel shall be equipped with four RS-170 (B&W)/NTSC (color) composite video inputs for coaxial camera connections so that signals from four image sensors can be processed in real-time.

5.6 The ACU shall be equipped with a port to provide communications to a computer running the remote access software.

5.7 The ACU and/or camera hookup panels used for a rack mountable ACU shall be equipped with a video output port.

5.8 The ACU shall be equipped with viewable front panel detection LED indications.

6.0 Camera

6.1 The video detection system shall use medium resolution, monochrome or color, image sensors as the video source for real-time vehicle detection. As a minimum, each image sensor shall provide the following capabilities:

a. Images shall be produced with a CCD sensing element with horizontal resolution of at least 500 lines and vertical resolution of at least 350 lines.
b. Useable video and resolvable features in the video image shall be produced when those features have luminance levels as low as 0.1 lux at night.
c. Useable video and resolvable features in the video image shall be produced when those features have luminance levels as high as 10,000 lux during the day.
d. Automatic gain, automatic iris, and absolute black reference controls shall be furnished.
e. An optical filter and appropriate electronic circuitry shall be included in the image sensor to suppress "blooming" effects at night.

6.2 The image sensor shall be equipped with an integrated zoom lens with zoom and focus capabilities that can be changed using either configuration computer software or hand-held controller. The machine vision processor (MVP) may be enclosed within the camera.

6.3 The image sensor and lens assembly shall be housed in an environmental enclosure that provides the following capabilities:

a. The enclosure shall be waterproof and dust-tight to NEMA-4 specifications.
b. The enclosure shall allow the image sensor to operate satisfactorily over an ambient temperature range from -34C to +74C while exposed to precipitation as well as direct sunlight.
c. The enclosure shall allow the image sensor horizon to be rotated in the field during installation.
d. The enclosure shall include a provision at the rear of the enclosure for connection of power and video signal cables fabricated at the factory. Input power to the environmental enclosure shall be either 115 VAC 60 Hertz or 24 VAC/DC 60 Hertz.
e. A heater shall be at the front of the enclosure to prevent the formation of ice and condensation in cold weather, as well as to assure proper operation of the lens' iris mechanism. The heater shall not interfere with the operation of the image sensor electronics, and it shall not cause interference with the video signal.
f. The enclosure shall be light-colored and shall include a sun shield to minimize solar heating. The front edge of the sunshield shall protrude beyond the front edge of the environmental enclosure and shall include provision to divert water flow to the sides of the sunshield. The amount of overhang of the sun shield shall be adjustable to prevent direct sunlight from entering the lens or hitting the faceplate.

g. The total weight of the image sensor in the environmental enclosure with sunshield shall be less than 6 pounds.
h. When operating in the environmental enclosure with power and video signal cables connected, the image sensor shall meet FCC class B requirements for electromagnetic interference emissions.

6.4 The video output of the image sensor shall be isolated from earth ground. All video connections from the image sensor to the video interface panel shall also be isolated from earth ground.

6.5 The video output, communication, and power to the image sensor shall include transient protection to prevent damage to the sensor due to transient voltages occurring on the cable leading from the image sensor to other field locations.

6.6 A stainless steel junction box shall be available as an option with each image sensor for installation on the structure used for image sensor mounting. The junction box shall contain a terminal block for terminating power to the image sensor and connection points for coaxial cables from the image sensor and from the ACU.

6.7 A video interface panel shall be included for installation inside of the traffic cabinet. The panel shall provide coaxial cable / twisted pair connection points and an Edco RMCXI-06 or approved equal transient suppressor for each image sensor. The shield side of the coaxial cable connection at the transient suppressor shall be connected to earth ground via the transient suppressor.
If the coaxial cable / twisted pair used to connect the video signal from the image sensor to the ACU is to be routed through a conduit containing unbundled AC power cables, a video isolation amplifier shall be installed in addition to the video interface panel if interference is present. There will be no additional compensation for providing the video isolation amplifier if necessitated by the presence of video interference. The isolation amplifier shall buffer the video signal and provide transient suppression. The isolation amplifier shall have a minimum common mode rejection ratio at 60 Hz of 100 dB.

6.8 The image sensor shall be connected to the ACU such that the video signal originating from the image sensor is not attenuated more than 3 dB when measured at the ACU. When the connection between the image sensor and the ACU is coaxial cable, the coaxial cable used shall be a low loss 75 ohm precision video cable suited for outdoor installation, such as Belden 8281, West Penn P806, or approved equal.

7.0 Software

7.1 The system shall include the remote access software that is used to setup and configure the video detection system. The software shall be of the latest revision.

7.2 All necessary cable, adapters, and other equipment shall be included with the system.

8.0 Installation and Training

8.1 The supplier of the video detection system shall supervise the installation and testing of the video and video vehicle detection equipment. A factory certified representative from the supplier shall be on-site during installation.

8.2 Training shall be available upon request.

9.0 Warranty, Maintenance, and Support

9.1 The video detection system shall be warranted by its supplier for a minimum of two (2) years from date of turn-on. This warranty shall cover all material defects and shall also provide all parts and labor as well as unlimited technical support.

9.2 Ongoing software support by the supplier shall include updates of the ACU and supervisor software. These updates shall be provided free of charge during the warranty period.

9.3 The supplier shall maintain a program for technical support and software updates following expiration of the warranty period. This program shall be made available to the contracting agency in the form of a separate agreement for continuing support.

Basis of Payment:

The above work will be paid for at the contract unit price each for VIDEO VEHICLE DETECTION, 4 CAMERA, which price will be payment in full for all labor, equipment, and materials required to supply, install, configure, and test the video vehicle detection system described above, complete.

EMERGENCY VEHICLE PRIORITY SYSTEM

This work shall be performed in accordance with manufacturer's specifications and with Section 887 of the current "Standard Specifications for Road and Bridge Construction." Emergency Vehicle Priority System shall be compatible with the system in place within the *West Suburban Fire Protection District* which can be reached at *815-964-3441*. The contractor shall be responsible to contact the fire district to verify that the system is operating properly with the equipment in place on their emergency vehicles.

EMERGENCY VEHICLE PRIORITY SYSTEM cost shall include the following items;

1. LIGHT DETECTOR AMPLIFIER
The emergency preemption system shall be the "Tomar/Optronix Optical Preemption System. The light detector amplifier shall be the Tomar 2140 card and backed with a four-channel capacity. The System shall have ID capability with necessary software included so that events can be down loaded to a laptop.

2. CONFIRMATION BEACON
This work shall be performed in accordance with the Manufacturer's specifications and with Section 1072 of the "Standard Specifications for Road and Bridge."

3. ELECTRIC CABLE IN CONDUIT, SIGNAL, No. 20 3C
This item shall be to supply the following electric cable for use with the emergency vehicle priority system.

Cable: The cable shall meet requirements for IPCEA-S-61-402/NEMA WC 5, Section 7.4, 600 volt control cable, 75 degree C, Type B, and following:

The cable shall contain 3 conductors, each of which shall be #20 (7x28) stranded, tinned copper with 25 mil minimum average thickness low density polyethylene insulation. Insulation shall be color-coded: 1-yellow, 1-blue, and 1- orange.

The shield shall be aluminized polyester film with a nominal 20% overlap. A #20 (7x28) stranded, tinned, bare drain wire shall be placed between the insulated conductors and shield and in the contact with the conductive surface of the shield.

The jacket shall be black PVC with minimum ratings of 600 volts and 80 degrees C and minimum thickness of 45 mils. The jacket shall be marked as required by IPCEA/NEMA.

The finished outside diameter of the cable shall not exceed 0.335 inch.

The capacitance as measured between any conductor and the other conductors and the shield shall not exceed 40 pico farads per foot at 100 Hz.

This work shall be paid for at the contract unit price each for EMERGENCY VEHICLE PRIORITY SYSTEM, which price shall be payment in full for all labor, equipment, and materials required to supply, install, configure, and test the emergency vehicle detection system described above.

Illinois Department of Transportation

Storm Water Pollution Prevention Plan

Route	FAU 5097	Marked Rte.	C.H. 24 (Meridian Road)
Section	06-00400-00-RS	Project No.	M-5099 (76)
County	Winnebago	Contract No.	85513

This plan has been prepared to comply with the provisions of the NPDES Permit Number ILR10, issued by the Illinois Environmental Protection Agency for storm water discharges from Construction Site Activities.

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.

Joseph A. Vanderwerff Sr
Print Name

Signature

Winnebago County Engineer
Title

10/28/10
Date

Winnebago County Highway Department
Agency

I. Site Description:

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

The project is located west of Rockford on Meridian Road from Cunningham Road to Knapp Road.

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

The project is primarily a resurfacing project with intersection improvements at State Street, Auburn Road, Safford Road, Dickenson Road, Cemetery Road, and Latham Road.

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:

Widening and re-grading of the road-side ditches will be performed at each of the above-mentioned intersections. A significant profile adjustement will be performed on Meridian Road between Cemetery Road and Latham Road.

D. The total area of the construction site is estimated to be 77.6 acres.

The total area of the site that is estimated will be disturbed by excavation, grading or other activities is 8.4 acres.

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

.45

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

From the US Department of Agriculture Soil Conservation Service Maps, the predominant soil type is Griswold-Winnebago, a deep, well drained, gently sloping soil to strongly sloping soil. Other soil types in the project are Tama-Ogle-Plano and Flagg-Pecatonica, a deep well drained and nearly level to sloping soil and a deep, well drained, nearly level to sloping soil, respectively. Due to the terrain / slopes at some of the intersection improvements, erosion can be expected.

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

The intersection improvements on Meridian Road at Cementery Road and Latham Road have high potential for erosion. The intersection improvement on Meridian Road at Auburn Road has high potential for erosion.

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):

See plans for details. The Latham / Cemetery Road intersection improvements have long slopes and moderately steep profiles creating high potential for erosion. The same is true at the Auburn Road intersection improvement.

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:

Receiving Waters:
1) South Fork of Kent Creek
2) North Fork of Kent Creek
3) Tunnison Creek
4) Rhule Creek

Wetlands (sites 1-10) - See plans for locations.

Ultimate Receiving Water - Rock River

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

☒ Soil Sediment	☐ Petroleum (gas, diesel, oil, kerosene, hydraulic oil / fluids)
☒ Concrete	☐ Antifreeze / Coolants
☒ Concrete Truck Waste	☒ Waste water from cleaning construction equipment
☒ Concrete Curing Compounds	☐ Other (specify)
☐ Solid Waste Debris	☐ Other (specify)
☐ Paints	☐ Other (specify)
☐ Solvents	☐ Other (specify)
☐ Fertilizers / Pesticides	☐ 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 7 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 14 or more calendar days.

   a. Where the initiation of stabilization measures by the 7th 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:

☒	Preservation of Mature Vegetation	☒	Erosion Control Blanket / Mulching
☐	Vegetated Buffer Strips	☐	Sodding
☐	Protection of Trees	☒	Geotextiles
☒	Temporary Erosion Control Seeding	☐	Other (specify)
☐	Temporary Turf (Seeding, Class 7)	☐	Other (specify)
☐	Temporary Mulching	☐	Other (specify)
☒	Permanent Seeding	☐	Other (specify)

   Describe how the Stabilization Practices listed above will be utilized:

   The contractor will not disturb existing vegatation outside the limits of locations marked for grading operations. Temporary Erosion Control Seeding shall be placed at all disturbed locations where no construction activities have occurred for 7 days. Permanent Seeding shall be placed at all locations where final grading has been approved by the Engineer. Erosion Control Blanket and Mulching will be installed at locations marked by the plans and as directed by the Engineer.

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:

☒	Perimeter Erosion Barrier	☒	Rock Outlet Protection
☒	Temporary Ditch Check	☒	Riprap
☒	Storm Drain Inlet Protection	☐	Gabions
☐	Sediment Trap	☐	Slope Mattress
☐	Temporary Pipe Slope Drain	☐	Retaining Walls
☐	Temporary Sediment Basin	☐	Slope Walls
☐	Temporary Stream Crossing	☐	Concrete Revetment Mats
☐	Stabilized Construction Exits	☐	Level Spreaders
☐	Turf Reinforcement Mats	☐	Other (specify)
☐	Permanent Check Dams	☐	Other (specify)
☐	Permanent Sediment Basin	☐	Other (specify)
☒	Aggregate Ditch	☐	Other (specify)
☐	Paved Ditch	☐	Other (specify)

   Describe how the Structural Practices listed above will be utilized:

Perimeter Erosion Barrier, Temporary Ditch Checks, Storm Drain Inlet Protection, Aggregate Ditch, Rock Outlet Protection, and Riprap shall be placed at locations marked in the plans and as directed by the Engineer.

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.

   Riprap has been provided with locations detailed in the plan to minimize velocity at outlets and reduce erosion.

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:

Meet IDOT and EPA minimum requirements.

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.

1) All control measures will be inspected weekly and after storm events greater than or equal to .5 inches.
2) All measures will be maintained in good working order; if a repair is necessary, it will be initiated within 24 hours of the Contractor's receipt of the report (form BC 2259)
3) Silt fence will be inspected to see if the system is performing as intended. Fabric that has pulled away from posts will be reattached. Sediment will be removed. Damaged posts will be replaced.
4) Temporary ditch checks and inlet and pipe protections shall be inspected and any breaches will be promptly repaired. Sediment collected upstream of the check will be removed.
5) Temporary and permanent seeding shall be inspected for bare spots, washouts, and healthy growth. The Contractor will repair as directed by the Engineer.

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 notify the appropriate IEPA Field Operations Section office by email at: epa.swnoncomp@illinois.gov, telephone or fax within 24 hours of the incident. The resident Engineer shall then complete and submit an "Incidence of Noncompliance" (ION) report for the identified violation within 5 days of the incident. 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 a National Pollutant Discharge Elimination System/Erosion and Sediment Control Deficiency Deduction against the contractor and/or penalties under the NPDES permit which could be passed onto the contractor.

Illinois Department of Transportation

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.

Route	FAU5097	Marked Rt.	C.H. 24 (Meridian Road)
Section	06-00400-00-RS	Project No.	M-5099 (76)
County	Winnebago	Contract No.	85513

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.

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.

In addition, 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

Illinois Environmental Protection Agency

Bureau of Land • 1021 N. Grand Avenue E. • PO Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer LPC-663

Uncontaminated soil, including uncontaminated soil mixed with other clean construction or demolition debris (CCDD) materials, accepted at a CCDD fill operation must be certified to be uncontaminated soil in accordance with Section 22.51(f)(2)(B) of the Environmental Protection Act [415 ILCS 5/22.51(f)(2)(B)]. Uncontaminated soil accepted at an uncontaminated soil fill operation must be certified to be uncontaminated soil in accordance with Section 22.51a(d)(2)(B) of the Environmental Protection Act [415 ILCS 5/22.51a(d)(2)(B)]. These certifications must be made by a licensed professional engineer using this form, LPC-663, when the soil is removed from a site that has been used for commercial or industrial purposes. Uncontaminated soil from a site that has not been used for commercial or industrial purposes may be certified by either the site owner or operator using LPC-662 or by a licensed professional engineer using this form. If you have any questions about this form, telephone the Bureau of Land, Permit Section at 217-524-3300.

1. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: Meridian Road (06-00400-00-RS) Office Phone Number, if available: (815) 319-4000

Physical Site Location (Street, Road): Meridian Road from State Street to Knapp Road

City: Rockford State: IL Zip Code: 61101-5097

County: Winnebago Township: Winnebago, Burritt, Rockford, Owen

Latitude and Longitude of approximate center of site:

Latitude:	42	19	56	Longitude:	89	10	26	31	T45N	R1E
	(Deg)	(Min)	(Sec)		(Deg)	(Min)	(Sec)	Section	Township	Range

IEPA Site ID Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

2. Owner/Operator Identification - For Source Site

	Site Owner		Site Operator	
Name:	WCHD		WCHD	
Street Address:	424 N. Springfield Ave.		424 N. Springfield Ave.	
PO Box:				
City:	Rockford	State: IL	Rockford	State: IL
Zip Code:	61101-5097	Phone: (815) 319-4000	61101-5097	Phone: (815) 319-4000
Contact:	Matt Fox / Andy Limberg		Matt Fox / Andy Limberg	
Email, if available:	jfox@co.winnebago.il.us		jfox@co.winnebago.il.us	

Uncontaminated Soil Certification

3. Basis for Certification and Attachments

Explain the basis upon which you are certifying that the soil from this site is uncontaminated soil.

~~A review of past and current land use and from the IDOT environmental signoff from the project development report.~~

Attachments: (check all that apply)

- ☐ Laboratory Analyses
- ☐ Laboratory Accreditation Status
- ☐ Authorized Agent Certification
- ☑ Other(s) Describe IDOT environmental signoff from the project development report

4. Professional Engineer's Certification Statement, Signature and Seal

I certify under penalty of law that the information submitted, including but not limited to all attachments and other information, is, to the best of my knowledge and belief, true, accurate, and complete. In accordance with the Environmental Protection Act 415 ILCS 5/22.51a(f)(2)(B) or 5/22.51a(d)(2)(B), I certify that the soil from this site is uncontaminated soil. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Engineer Company Name: Winnebago County Highway Department

Street Address: 424 N. Springfield Ave.

City: Rockford State: IL Zip Code: 61101-5097

Phone: (815) 319-4000

Professional Engineer Signature: Date: 10/28/10

Printed Name: Joseph A. Vanderwerff Sr P.E. Seal

JOSEPH A. VANDERWERFF 35899 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

EXP 11/30/11

Illinois Environmental Protection Agency

Bureau of Land • 1021 N. Grand Avenue E. • PO Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer LPC-663

Uncontaminated soil, including uncontaminated soil mixed with other clean construction or demolition debris (CCDD) materials, accepted at a CCDD fill operation must be certified to be uncontaminated soil in accordance with Section 22.51(f)(2)(B) of the Environmental Protection Act [415 ILCS 5/22.51(f)(2)(B)]. Uncontaminated soil accepted at an uncontaminated soil fill operation must be certified to be uncontaminated soil in accordance with Section 22.51a(d)(2)(B) of the Environmental Protection Act [415 ILCS 5/22.51a(d)(2)(B)]. These certifications must be made by a licensed professional engineer using this form, LPC-663, when the soil is removed from a site that has been used for commercial or industrial purposes. Uncontaminated soil from a site that has not been used for commercial or industrial purposes may be certified by either the site owner or operator using LPC-662 or by a licensed professional engineer using this form. If you have any questions about this form, telephone the Bureau of Land, Permit Section at 217-524-3300.

1. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: Meridian Road (06-00400-00-RS) Office Phone Number, if available: (815) 319-4000

Physical Site Location (Street, Road): Meridian Road from Cunningham Road to Knapp Road

City: Rockford State: IL Zip Code: 61101-5097

County: Winnebago Township: T26N

Latitude and Longitude of approximate center of site:

Latitude:	89	10	24.7	Longitude:	42	15	38.4	13	T26N	R11E
	(Deg)	(Min)	(Sec)		(Deg)	(Min)	(Sec)	Section	Township	Range

IEPA Site ID Number(s), if assigned: BOL: BOW: BOA:

2. Owner/Operator Identification - For Source Site

Site Owner		Site Operator	
Name:	WCHD	Name:	WCHD
Street Address:	424 N. Springfield Ave.	Street Address:	424 N. Springfield Ave.
PO Box:		PO Box:	
City:	Rockford State: IL	City:	Rockford State: IL
Zip Code:	61101-5097 Phone: (815) 319-4000	Zip Code:	61101-5097 Phone: (815) 319-4000
Contact:	Matt Fox / Andy Limberg	Contact:	Matt Fox / Andy Limberg
Email, if available:	jfox@co.winnebago.il.us	Email, if available:	jfox@co.winnebago.il.us

Uncontaminated Soil Certification

Project Name: Meridian Road (06-00400-00-RS)

Latitude and Longitude of approximate center of site:

Latitude:	89	10	24.7	Longitude:	42	15	38.4	13	T26N	R11E
	(Deg)	(Min)	(Sec)		(Deg)	(Min)	(Sec)	Section	Township	Range

3. Basis for Certification and Attachments

Explain the basis upon which you are certifying that the soil from this site is uncontaminated soil.

Representative samples and composite samples taken by Testing Service Corporation on November 4, 2010. Analyses from Prairie Analytical Systems, Inc. for VOCs, SVOCs, PCBs, RCRA metals, hexavalent chromium and pH. Results meet the most stringent TACO Tier 1 remediation objectives in 35 IAC 742.

Attachments: (check all that apply)

- ☑ Laboratory Analyses
- ☑ Laboratory Accreditation Status
- ☑ Authorized Agent Certification
- ☑ Other(s) Describe Testing Service Corporation (TSC) Letter dated November 17, 2010, TSC Job No. L-76,073

4. Professional Engineer's Certification Statement, Signature and Seal

I certify under penalty of law that the information submitted, including but not limited to all attachments and other information, is, to the best of my knowledge and belief, true, accurate, and complete. In accordance with the Environmental Protection Act 415 ILCS 5/22.51a(f)(2)(B) or 5/22.51a(d)(2)(B), I certify that the soil from this site is uncontaminated soil. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Engineer Company Name: Testing Service Corporation

Street Address: 2235 23rd Avenue

City: Rockford State: IL Zip Code: 61104

Phone: 815-394-2562

Professional Engineer Signature: _____ Date: 11-17-10

Jeffrey L. Martin
Printed Name:

P.E. Seal: JEFFREY L. MARTIN 062-047621 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

TESTING SERVICE CORPORATION

Local Office:
2235 23rd Avenue, Rockford, IL 61104-7334
815.394.2562 • Fax 815.394.2566

Rockford, Illinois

November 17, 2010

Mr. J. Matthew Fox
Winnebago County Highway Department
424 North Springfield Avenue
Rockford, Illinois 61101-5097

RE: L-76,073
Environmental Soil Sampling for Analytical Laboratory Analyses
For Form LPC-663
Meridian Road, Section 06-00400-00-RS
Cunningham Road to West State Street
Winnebago County, Illinois

Dear Mr. Fox:

This report presents the analytical laboratory results for the soils exploration performed in connection with the proposed Meridian Road Improvements in Winnebago County, Illinois, as referenced above. These services are provided in general accordance with Testing Service Corporation (TSC) Proposal Number 45,959 dated October 20, 2010 and the attached General Conditions, incorporated herein by reference.

It is understood that Meridian Road will be improved between Cunningham Road and Knapp Road, and that as part the project new stabilized shoulders will be constructed. The new shoulders will be 7 feet wide. It is further understood that the existing pavement will be resurfaced, however, an approximate 20-inch cut or depth of excavation will be required to remove the existing shoulder materials to accommodate the new stabilized shoulders. This investigation included the existing Meridian Road shoulders between Cunningham Road (centerline station 284+13) and West State Street (centerline station 352+56).

A total of eight (8) soil borings, numbered B-1 through B-8, were drilled by TSC on November 4, 2010 as part of this exploration. All borings were made along the existing Meridian Road shoulder. Borings 1-3 were made between Cunningham Road and U.S. Route 20, while Borings 4-8 were drilled at locations north of U.S. Route 20 and south of West State Street. They were staked in the field by TSC using conventional taping methods. The approximate boring locations were as follows:

Boring Number	Approx. Station	Left or Right of Centerline	Approx. Meridian Road Location
1	285+63	Left	West Shoulder, N. of Cunningham Road
2	289+13	Left	West Shoulder, N. of Cunningham Road
3	294+63	Right	East Shoulder, N. of Cunningham Road and Abandoned Railroad Tracks

Boring Number	Approx. Station	Left or Right of Centerline	Approx. Meridian Road Location
4	315+31	Left	West Shoulder, N. of U.S. 20 WB Ramp near Roy Gayle Entrance
5	323+71	Right	East Shoulder, N. of Claremont Street
6	332+21	Right	East Shoulder, S. of Remembrance Drive
7	339+71	Left	West Shoulder, S. of W. Warrior Drive
8	348+71	Right	East Shoulder, S. of West State Street

Drilling and sampling procedures were in accordance with currently recommended American Society for Testing and Materials specifications. Soil sampling in Borings 1-7 was generally performed at two depth intervals: from the existing ground surface to a depth of 20 inches below existing grade and from 2 feet to the end of the boring at 4 feet. In Boring 8, due to potential buried utilities in the near vicinity of the test location, only one soil sample was taken; it was taken in the depth interval of 0 to 20 inches. The samples were taken in conjunction with the Standard Penetration Test, for which driving resistance to a 2" split-spoon sampler (N value in blows per foot) provides an indication of the relative density of granular materials and consistency of cohesive soils. The drilling and sampling equipment was washed prior to drilling and between boring sampling.

The three (3) samples from Borings 1-3 in the depth interval of 0 to 20 inches, as well as the two (2) composite samples from the depth interval of 0 to 20 inches from Borings 4, 5 and 6 and from Borings 7 and 8 were placed in analytical laboratory supplied jars and vials and properly preserved in a cooler on ice. They were shipped to Prairie Analytical Systems, Inc., following standard chain-of-custody procedures. No laboratory tests were performed on the soil samples taken from the borings from the depth interval of 2 feet to 4 feet. All soil samples were examined in the laboratory by the undersigned to verify field descriptions as well as to classify them in accordance with the Unified Soil Classification System, as noted on the attached boring logs.

The samples designated for analytical laboratory testing, as noted above, were tested by Prairie Analytical Systems, Inc. for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), RCRA metals (total), pH, Hexavalent Chromium and polychlorinated biphenyls (PCBs). A copy of Prairie Analytical's report, dated November 15, 2010, along with the chain-of-custody are attached for your review. The results were compared to the appropriate Tier 1 Residential and Construction Worker objectives in TACO, 35 IAC 742. The results obtained document the soil to be excavated as uncontaminated soil. A copy of the IEPA Form LPC-663, Uncontaminated Soil Certification, signed by a Licensed Professional Engineer is attached.

If conditions other than those found during the soil borings are found, please contact us to perform a follow-up survey. Also note that although the chemical analysis from the representative samples meet the most stringent Tier 1 criteria, disposal facilities screen each load with a photoionization detector that detects VOCs, which will determine the final acceptance of individual loads.

We appreciate the opportunity to be of service to you on this project. Please call me at 815-394-2562

Meridian Road, Section 06-00400-00-RS Analytical Lab Analyses - Winnebago County, Illinois
L-76,073 - November 17, 2010
or 815-509-4844 if you have any questions regarding this information.

Respectfully submitted,

TESTING SERVICE CORPORATION

Jeffrey L. Martin, P.E.
Rockford Branch Manager

Encl: Boring Logs (8)
Unified Classification Chart
Legend for Boring Logs
Prairie Analytical Letter and Lab Test Results Report (28 pages)
Form LPC-663
General Conditions

PROJECT Meridian Road, Sec. 06-00400-00-RS, Winnebago County, Illinois

CLIENT Winnebago County Highway Department, Rockford, Illinois

BORING 1 DATE STARTED 11-4-10 DATE COMPLETED 11-4-10 JOB L-76,073

ELEVATIONS

GROUND SURFACE

END OF BORING

WATER LEVEL OBSERVATIONS

▼ WHILE DRILLING Dry

▽ AT END OF BORING Dry

▼ 24 HOURS

LENGTH RECOVERY	SAMPLE NO.	SAMPLE TYPE	N	WC	Qu	γ_{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
							0		
							0.3		FILL - 3.5" Light brown Crushed Stone (pavement shoulder)
	1	SS							FILL - Dark brown, black and brown silty CLAY, some sand, little crushed stone and gravel, moist (CL)
							2.2		
	A								
	2	SS	7						Brown silty CLAY, very moist (CL)
	B								
							5		End of Boring at 4.0'

DISTANCE BELOW SURFACE IN FEET

DRILL RIG NO. 334

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

TSC_EOB 76073.GPJ TSC_ALL.GDT 11/9/10

PROJECT Meridian Road, Sec. 06-00400-00-RS, Winnebago County, Illinois

CLIENT Winnebago County Highway Department, Rockford, Illinois

BORING 2 DATE STARTED 11-4-10 DATE COMPLETED 11-4-10 JOB L-76,073

ELEVATIONS

GROUND SURFACE

END OF BORING

WATER LEVEL OBSERVATIONS

▼ WHILE DRILLING Dry

▽ AT END OF BORING Dry

▼ 24 HOURS

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE NO.	SAMPLE TYPE	N	WC	Qu	γ_{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
0										FILL - 5" Light brown Crushed Stone (pavement shoulder)
								0.4		
		1	SS							FILL - Dark brown, black and light brown silty SAND, trace clay, some crushed stone and gravel, moist (SM)
								2.0		
		2	SS	6						FILL - Brown and light brown silty CLAY, little sand, crushed stone and gravel, very moist (CL)
5										End of Boring at 4.0'

DRILL RIG NO. 334

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

TSC_EOB 76073.GPJ TSC_ALL.GDT 11/9/10

PROJECT Meridian Road, Sec. 06-00400-00-RS, Winnebago County, Illinois

CLIENT Winnebago County Highway Department, Rockford, Illinois

BORING 3 DATE STARTED 11-4-10 DATE COMPLETED 11-4-10 JOB L-76,073

ELEVATIONS

GROUND SURFACE

END OF BORING

WATER LEVEL OBSERVATIONS

▼ WHILE DRILLING Dry

▽ AT END OF BORING Dry

▼ 24 HOURS

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE NO.	SAMPLE TYPE	N	WC	Qu	γ_{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
0								0.2		FILL - 3" Light brown Crushed Stone (pavement shoulder)
		1	SS							FILL - Brown and grayish-brown silty SAND, trace clay, some crushed stone and gravel, moist (SM)
		A						2.6		
		2	SS	11						Pinkish-brown to light brown very silty CLAY, some sand, trace to little gravel, moist (CL)
		B								
5										End of Boring at 4.0'

DRILL RIG NO. 334

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

TSC_EOB 76073.GPJ TSC_ALL.GDT 11/9/10

PROJECT Meridian Road, Sec. 06-00400-00-RS, Winnebago County, Illinois

CLIENT Winnebago County Highway Department, Rockford, Illinois

BORING 4 DATE STARTED 11-4-10 DATE COMPLETED 11-4-10 JOB L-76,073

ELEVATIONS

GROUND SURFACE

END OF BORING

WATER LEVEL OBSERVATIONS

▼ WHILE DRILLING Dry

▽ AT END OF BORING Dry

▼ 24 HOURS

DISTANCE BELOW SURFACE IN FEET

LENGTH RECOVERY	SAMPLE NO.	SAMPLE TYPE	N	WC	Qu	γ_{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
0									
							0.3		FILL - 3.5" Light brown Crushed Stone (pavement shoulder)
	1	SS							FILL - Dark brown and brown silty CLAY, little sand, gravel and crushed stone, moist (CL)
							2.0		
	2	SS	12						FILL - Brown, gray and light brown silty CLAY, trace to little sand, crushed stone and gravel, moist (CL)
5									End of Boring at 4.0'

DRILL RIG NO. 334

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

TSC_EOB 76073.GPJ TSC_ALL.GDT 11/9/10

PROJECT Meridian Road, Sec. 06-00400-00-RS, Winnebago County, Illinois

CLIENT Winnebago County Highway Department, Rockford, Illinois

BORING 5 DATE STARTED 11-4-10 DATE COMPLETED 11-4-10 JOB L-76,073

ELEVATIONS

GROUND SURFACE

END OF BORING

WATER LEVEL OBSERVATIONS

▼ WHILE DRILLING Dry

▽ AT END OF BORING Dry

▼ 24 HOURS

DISTANCE BELOW SURFACE IN FEET

LENGTH RECOVERY	SAMPLE NO.	SAMPLE TYPE	N	WC	Qu	γ_{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
0									
							0.2		FILL - 2.5" Light brown Crushed Stone (pavement shoulder)
	1	SS							FILL - Dark brown, brown and black silty CLAY, little sand, gravel and crushed stone, moist (CL)
							2.0		
	2	SS	8						Brown and grayish-brown silty CLAY, very moist (CL) [Possible Fill]
5									End of Boring at 4.0'

DRILL RIG NO. 334

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

TSC_EDB 76073.GPJ TSC_ALL.GDT 11/9/10

PROJECT Meridian Road, Sec. 06-00400-00-RS, Winnebago County, Illinois

CLIENT Winnebago County Highway Department, Rockford, Illinois

BORING 6 DATE STARTED 11-4-10 DATE COMPLETED 11-4-10 JOB L-76,073

ELEVATIONS

GROUND SURFACE

END OF BORING

WATER LEVEL OBSERVATIONS

▽ WHILE DRILLING Dry

▽ AT END OF BORING Dry

▼ 24 HOURS

LENGTH RECOVERY	SAMPLE NO.	SAMPLE TYPE	N	WC	Qu	γ_{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
							0		
							0.2		FILL - 3" Light brown Crushed Stone (pavement shoulder)
							0.7		FILL - Brown sandy CLAY, some gravel, moist (CL)
	1	SS							Reddish-brown silty CLAY, trace sand and gravel, moist (CL)
	2	SS	6						
							5		End of Boring at 4.0'

DISTANCE BELOW SURFACE IN FEET

DRILL RIG NO. 334

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

TSC_EOB 76073.GPJ TSC_ALL.GDT 11/9/10

PROJECT Meridian Road, Sec. 06-00400-00-RS, Winnebago County, Illinois

CLIENT Winnebago County Highway Department, Rockford, Illinois

BORING 7 DATE STARTED 11-4-10 DATE COMPLETED 11-4-10 JOB L-76,073

ELEVATIONS

GROUND SURFACE

END OF BORING

WATER LEVEL OBSERVATIONS

▼ WHILE DRILLING Dry

▽ AT END OF BORING Dry

▼ 24 HOURS

LENGTH RECOVERY	SAMPLE NO.	SAMPLE TYPE	N	WC	Qu	γ_{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
							0		
									FILL - 4.5" Light brown Crushed Stone (pavement shoulder)
							0.4		
	1	SS							FILL - Brown and black silty CLAY, little to some sand, gravel and crushed stone, moist (CL)
	A						2.5		
	2	SS	7						Dark brown clayey TOPSOIL, very moist (OL)
	B								
							5		End of Boring at 4.0'

DISTANCE BELOW SURFACE IN FEET

DRILL RIG NO. 334

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

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TSC_EOB 76073.GPJ TSC_ALL.GDT 11/9/10

PROJECT Meridian Road, Sec. 06-00400-00-RS, Winnebago County, Illinois

CLIENT Winnebago County Highway Department, Rockford, Illinois

BORING 8 DATE STARTED 11-4-10 DATE COMPLETED 11-4-10 JOB L-76,073

ELEVATIONS

GROUND SURFACE

END OF BORING

WATER LEVEL OBSERVATIONS

▼ WHILE DRILLING Dry

▽ AT END OF BORING Dry

▼ 24 HOURS

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE NO.	SAMPLE TYPE	N	WC	Qu	γ_{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
0										FILL - 6" Light brown Crushed Stone (pavement shoulder)
								0.5		
		1	SS							FILL - Gray and brown silty CLAY, little to some sand, gravel and crushed stone, moist (CL)
								1.3		Light brown silty CLAY, trace sand, moist (CL)
5										

End of Boring at 1.7'

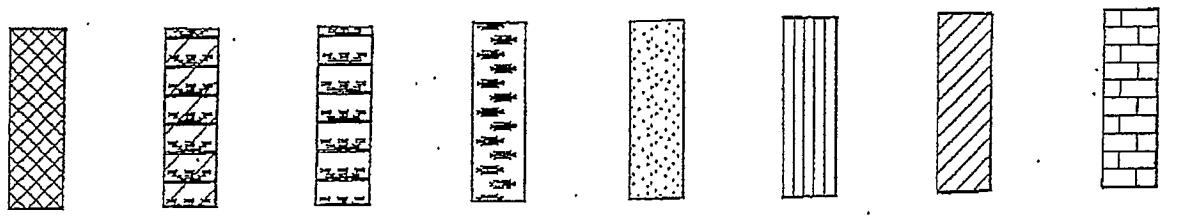
DRILL RIG NO. 334

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

TSC_EOB 76073.GPJ TSC_ALL.GDT 11/8/10

TESTING SERVICE CORPORATION

LEGEND FOR BORING LOGS



FILL TOPSOIL PEAT GRAVEL SAND SILT CLAY DOLOMITE

SAMPLE TYPE:

SS = Split Spoon
ST = Thin-Walled Tube
A = Auger

FIELD AND LABORATORY TEST DATA:

N = Standard Penetration Resistance in Blows per Foot
Wc = In-Situ Water Content
Qu = Unconfined Compressive Strength in Tons per Square Foot
* Pocket Penetrometer Measurement; Maximum Reading = 4.5 tsf
γD = Dry Unit Weight in Pounds per Cubic Foot

WATER LEVELS:

▽ While Drilling
▽ End of Boring
▼ 24 Hours

SOIL DESCRIPTION:

MATERIAL	PARTICLE SIZE RANGE
BOULDER	Over 12 inches
COBBLE	12 inches to 3 inches
Coarse GRAVEL	3 inches to ¾ inch
Small GRAVEL	¾ inch to No. 4 Sieve
Coarse SAND	No. 4 Sieve to No. 10 Sieve
Medium SAND	No. 10 Sieve to No. 40 Sieve
Fine SAND	No. 40 Sieve to No. 200 Sieve
SILT and CLAY	Passing No. 200 Sieve

COHESIVE SOILS

CONSISTENCY	Qu
Very Soft	Less than 0.3
Soft	0.3 to 0.6
Stiff	0.6 to 1.0
Tough	1.0 to 2.0
Very Tough	2.0 to 4.0
Hard	4.0 and over

COHESIONLESS SOILS

RELATIVE DENSITY	N
Very Loose	0 - 4
Loose	4 - 10
Firm	10 - 30
Dense	30 - 50
Very Dense	50 and over

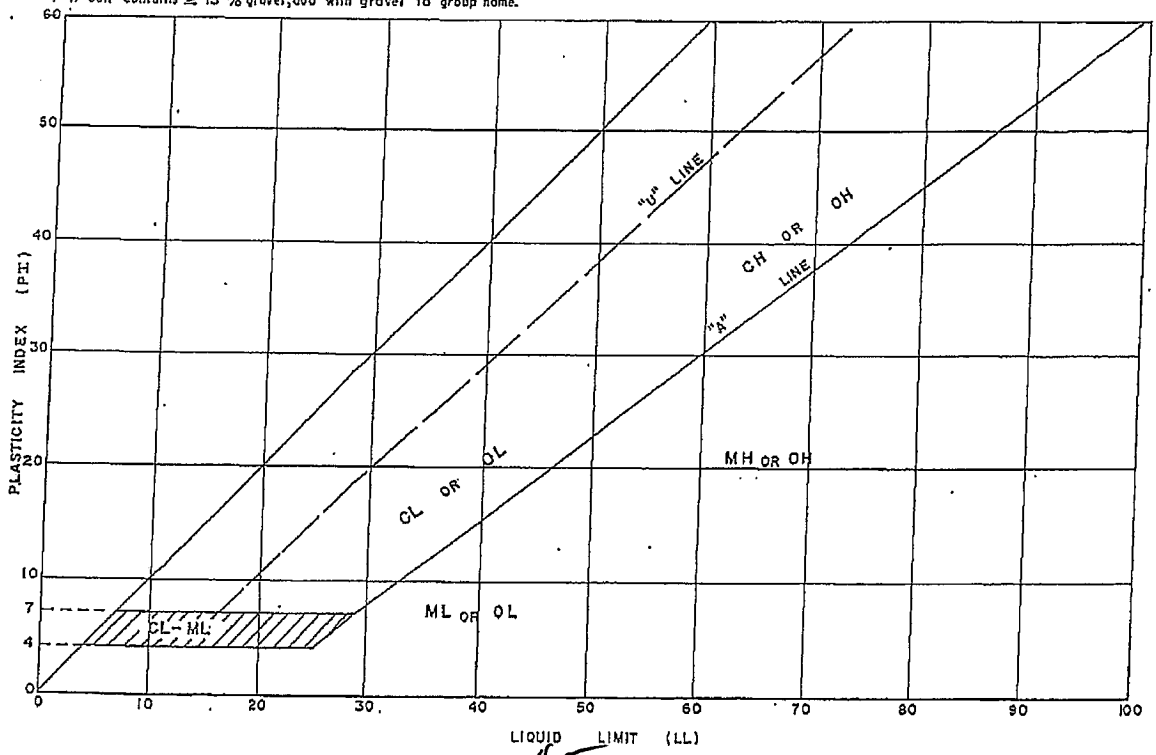
MODIFYING TERM	PERCENT BY WEIGHT
Trace	1 - 10
Little	10 - 20
Some	20 - 35

TESTING SERVICE CORPORATION

UNIFIED CLASSIFICATION CHART

CRITERIA FOR ASSIGNING GROUP SYMBOLS AND GROUP NAMES USING LABORATORY TESTS [a]				SOIL CLASSIFICATION	
				GROUP SYMBOL	GROUP NAME [b]
COARSE-GRAINED SOILS more than 30 % retained on No. 200 sieve	GRAVELS More than 50% of coarse fraction retained on No. 4 sieve	CLEAN GRAVELS Less than 5 % fines [c]	$C_u \geq 4$ and $1 \leq C_c \leq 3$ [e]	GW	Well graded gravel [f]
			$C_u < 4$ and/or $1 > C_c > 3$ [e]	GP	Poorly graded gravel [f]
		GRAVELS WITH FINES More than 12% fines [c]	Fines classify as ML or MH	GM	Silty gravel f,g,h
			Fines classify as CL or CH	GC	Clayey gravel f,g,h
	SANDS 50 % or more of coarse fraction passes No. 4 sieve	CLEAN SANDS Less than 5 % fines [d]	$C_u \geq 6$ and $1 \leq C_c \leq 3$ [e]	SW	Well-graded sand [i]
			$C_u < 6$ and/or $1 > C_c > 3$ [e]	SP	Poorly graded sand [i]
		SANDS WITH FINES More than 12 % fines [d]	Fines classify as ML or MH	SM	Silty sand g,h,f
			Fines classify as CL or CH	SC	Clayey sand g,h,f
FINE-GRAINED SOILS 50 % or more passed the No. 200 sieve	SILTS & CLAYS Liquid limit less than 50 %	Inorganic	PI > 7 and plots on or above "A" line [j]	CL	Lean clay k,l,m
			PI < 4 or plots below "A" line [j]	ML	Silt k,l,m
		Organic	$\frac{\text{Liquid limit - oven dried}}{\text{Liquid limit - not dried}} < 0.75$	OL	Organic clay k,l,m,n Organic silt k,l,m,o
	SILTS & CLAYS Liquid limit 50 % or more	Inorganic	PI plots on or above "A" line	CH	Fat clay k,l,m
			PI plots below "A" line	MH	Elastic silt k,l,m
		Organic	$\frac{\text{Liquid limit - oven dried}}{\text{Liquid limit - not dried}} < 0.75$	OH	Organic clay k,l,m,p Organic silt k,l,m,q
Highly organic soils		Primarily organic matter, dark in color, and organic odor		PT	Peat

a. Based on the material passing the 3-in (75-mm) sieve.
b. If field sample contained cobbles and/or boulders, add "with cobbles and/or boulders" to group name.
c. Gravels with 5 to 12 % fines require dual symbols
GW-GM well graded gravel with silt
GW-GC well graded gravel with clay
GP-GM poorly graded gravel with silt
GP-GC poorly graded gravel with clay
d. Sands with 5 % to 12 % fines require dual symbols
SW-SM well graded sand with silt
SW-SC well graded sand with clay
SP-SM poorly graded sand with silt
SP-SC poorly graded sand with clay
e. $C_u = D_{60}/D_{10}$ $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$
f. If soil contains $\geq$ 15 % sand, add "with sand" to group name.
g. If fines classify as CL-ML, use dual symbol GC-GM, SC-SM.
h. If fines are organic, add "with organic fines" to group name.
i. If soil contains $\geq$ 15 % gravel, add "with gravel" to group name.
j. If Atterberg Limits plot in hatched area, soil is a CL-ML, silty clay.
k. If soil contains 15 to 29 % plus No. 200, add "with sand" or "with gravel" whichever is predominant.
l. If soil contains $\geq$ 30 % plus No. 200, predominantly sand, add "sandy" to group name.
m. If soil contains $\geq$ 30 % plus No. 200, predominantly gravel, add "gravelly" to group name.
n. PI $\geq$ 4 and plots on or above "A" line.
o. PI $<$ 4 or plots below "A" line.
p. PI plots on or above "A" line.
q. PI plots below "A" line.



Prairie Analytical Systems, INCORPORATED

Monday, November 15, 2010

Jeff Martin
Testing Service Corporation-RK
2235 23rd Avenue
Rockford, IL 61104
TEL: (815) 394-2562
FAX: (815) 394-2566

RE: Meridian Road 06-00400-00-RS / Winnebago County PAS WO: 10K0119

Prairie Analytical Systems, Inc. received 5 sample(s) on 11/5/2010 for the analyses presented in the following report.

All applicable quality control procedures met method specific acceptance criteria unless otherwise noted.

If you have any questions, please feel free to contact me at (217) 753-1148.

Respectfully submitted,

Kristen A. Potter
Project Manager

Certifications: NELAP/NELAC - IL #100323

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County
Lab Order: 10K0119
Client Sample ID: B-1 0-20"
Lab ID: 10K0119-01
Collection Date: 11/4/10 10:01
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Volatile Organic Compounds by GC-MS									
*Acetone	U	0.0660		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*Benzene	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*Bromodichloromethane	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*Bromoform	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*Bromomethane	U	0.0176		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*2-Butanone	U	0.0176		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*Carbon disulfide	U	0.0176		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*Carbon tetrachloride	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*Chlorobenzene	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
Chloroethane	U	0.0176		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*Chloroform	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*Chloromethane	U	0.0176		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*Dibromochloromethane	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*1,1-Dichloroethane	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*1,2-Dichloroethane	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*1,1-Dichloroethene	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*cis-1,2-Dichloroethene	U	0.0110		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*trans-1,2-Dichloroethene	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*1,2-Dichloropropane	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*cis-1,3-Dichloropropene	U	0.00440		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*trans-1,3-Dichloropropene	U	0.00440		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*Ethylbenzene	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*2-Hexanone	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*Methyl tert-butyl ether	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*4-Methyl-2-pentanone	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*Methylene chloride	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*Styrene	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*1,1,2,2-Tetrachloroethane	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*Tetrachloroethene	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*Toluene	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*1,1,1-Trichloroethane	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*1,1,2-Trichloroethane	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*Trichloroethene	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*Vinyl acetate	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*Vinyl chloride	U	0.00880		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
*Xylenes (total)	U	0.0220		mg/Kg dry	1	11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
Surrogate: 4-Bromofluorobenzene		*95%*		*75-120*		11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
Surrogate: 1,2-Dichloroethane-d4		*118%*		*75-119*		11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
Surrogate: Toluene-d8		*104%*		*78-114*		11/8/10 9:04	11/9/10 0:24	SW 8260B	BDP
Semi-Volatile Organic Compounds by GC-MS									
*Acenaphthene	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Acenaphthylene	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Anthracene	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Benzo(a)anthracene	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Benzo(b)fluoranthene	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Benzo(k)fluoranthene	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Benzo(g,h,i)perylene	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Benzo(a)pyrene	U	0.0704		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County
Lab Order: 10K0119
Client Sample ID: B-1 0-20"
Lab ID: 10K0119-01
Collection Date: 11/4/10 10:01
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Benzoic acid	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
Benzyl alcohol	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Bis(2-chloroethoxy)methane	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Bis(2-chloroethyl)ether	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Bis(2-chloroisopropyl)ether	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Bis(2-ethylhexyl)phthalate	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*4-Bromophenyl phenyl ether	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Butyl benzyl phthalate	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Carbazole	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*4-Chloro-3-methylphenol	U	0.782		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*4-Chloroaniline	U	0.616		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*2-Chloronaphthalene	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*2-Chlorophenol	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*4-Chlorophenyl phenyl ether	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Chrysene	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Di-n-butyl phthalate	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Di-n-octyl phthalate	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Dibenz(a,h)anthracene	U	0.0704		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Dibenzofuran	U	1.95		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*1,2-Dichlorobenzene	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*1,3-Dichlorobenzene	U	0.235		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*1,4-Dichlorobenzene	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*3,3'-Dichlorobenzidine	U	0.00616		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*2,4-Dichlorophenol	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Diethyl phthalate	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Dimethyl phthalate	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*2,4-Dimethylphenol	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*4,6-Dinitro-2-methylphenol	U	1.95		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*2,4-Dinitrophenol	U	0.176		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*2,4-Dinitrotoluene	U	0.220		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*2,6-Dinitrotoluene	U	0.229		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Fluoranthene	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Fluorene	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Hexachlorobenzene	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Hexachlorobutadiene	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Hexachlorocyclopentadiene	U	0.782		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Hexachloroethane	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Indeno(1,2,3-cd)pyrene	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Isophorone	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*2-Methylnaphthalene	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*2-Methylphenol	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
3 & 4-Methylphenol	U	0.211		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Naphthalene	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*2-Nitroaniline	U	0.117		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*3-Nitroaniline	U	0.00939		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*4-Nitroaniline	U	0.0880		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Nitrobenzene	U	0.0880		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*2-Nitrophenol	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*4-Nitrophenol	U	1.95		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*N-Nitroso-di-n-propylamine	U	0.00158		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County **Lab Order:** 10K0119
Client Sample ID: B-1 0-20" **Lab ID:** 10K0119-01
Collection Date: 11/4/10 10:01 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
N-Nitrosodimethylamine	U	0.0205	M	mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*N-Nitrosodiphenylamine	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Pentachlorophenol	U	0.0264		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Phenanthrene	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Phenol	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*Pyrene	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*1,2,4-Trichlorobenzene	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*2,4,5-Trichlorophenol	U	0.391		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
*2,4,6-Trichlorophenol	U	0.176		mg/Kg dry	1	11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
Surrogate: 2-Fluorobiphenyl		*81 %*		*40-120*		11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
Surrogate: 2-Fluorophenol		*55 %*		*20-115*		11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
Surrogate: Nitrobenzene-d5		*81 %*		*45-135*		11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
Surrogate: Phenol-d6		*60 %*		*20-100*		11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
Surrogate: 4-Terphenyl-d14		*63 %*		*60-130*		11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
Surrogate: 2,4,6-Tribromophenol		*48 %*		*30-100*		11/10/10 15:27	11/11/10 19:35	SW 8270C	JKA
Polychlorinated Biphenyls by GC-ECD									
*Aroclor 1016	U	0.0385		mg/Kg dry	1	11/10/10 14:52	11/10/10 18:30	SW 8082	SCW
*Aroclor 1221	U	0.0385		mg/Kg dry	1	11/10/10 14:52	11/10/10 18:30	SW 8082	SCW
*Aroclor 1232	U	0.0385		mg/Kg dry	1	11/10/10 14:52	11/10/10 18:30	SW 8082	SCW
*Aroclor 1242	U	0.0385		mg/Kg dry	1	11/10/10 14:52	11/10/10 18:30	SW 8082	SCW
*Aroclor 1248	U	0.0385		mg/Kg dry	1	11/10/10 14:52	11/10/10 18:30	SW 8082	SCW
*Aroclor 1254	U	0.0385		mg/Kg dry	1	11/10/10 14:52	11/10/10 18:30	SW 8082	SCW
*Aroclor 1260	U	0.0385		mg/Kg dry	1	11/10/10 14:52	11/10/10 18:30	SW 8082	SCW
Surrogate: Decachlorobiphenyl		*101 %*		*60-140*		11/10/10 14:52	11/10/10 18:30	SW 8082	SCW
Surrogate: Tetrachloro-m-xylene		*103 %*		*60-140*		11/10/10 14:52	11/10/10 18:30	SW 8082	SCW
Metals by ICP-MS									
*Arsenic	4.98	0.558		mg/Kg dry	2	11/8/10 10:44	11/12/10 13:44	SW 6020A	JTC
*Barium	109	2.79		mg/Kg dry	10	11/8/10 10:44	11/13/10 4:51	SW 6020A	JTC
*Cadmium	U	0.558		mg/Kg dry	2	11/8/10 10:44	11/12/10 13:44	SW 6020A	JTC
*Chromium	14.8	0.558		mg/Kg dry	2	11/8/10 10:44	11/12/10 13:44	SW 6020A	JTC
*Lead	18.7	0.558		mg/Kg dry	2	11/8/10 10:44	11/12/10 13:44	SW 6020A	JTC
*Mercury	U	0.112		mg/Kg dry	2	11/8/10 10:44	11/12/10 13:44	SW 6020A	JTC
*Selenium	U	0.558		mg/Kg dry	2	11/8/10 10:44	11/12/10 13:44	SW 6020A	JTC
*Silver	U	0.558		mg/Kg dry	2	11/8/10 10:44	11/12/10 13:44	SW 6020A	JTC
Conventional Chemistry Parameters									
*Hexavalent Chromium	U	8.15		mg/Kg dry	10	11/12/10 10:25	11/12/10 15:25	SW 7196A	RMN
*pH	7.72	0.0100		pH Units	1	11/10/10 10:20	11/10/10 13:32	SW 9045C	MSR
Percent Solids	82.9	0.0100		%	1	11/10/10 15:30	11/11/10 8:35	ASTM D2216	RMN

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County
Lab Order: 10K0119
Client Sample ID: B-2 0-20"
Lab ID: 10K0119-02
Collection Date: 11/4/10 10:27
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Volatile Organic Compounds by GC-MS									
*Acetone	U	0.0546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*Benzene	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*Bromodichloromethane	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*Bromoform	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*Bromomethane	U	0.0109		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*2-Butanone	U	0.0109		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*Carbon disulfide	U	0.0109		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*Carbon tetrachloride	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*Chlorobenzene	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
Chloroethane	U	0.0109		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*Chloroform	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*Chloromethane	U	0.0109		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*Dibromochloromethane	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*1,1-Dichloroethane	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*1,2-Dichloroethane	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*1,1-Dichloroethene	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*cis-1,2-Dichloroethene	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*trans-1,2-Dichloroethene	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*1,2-Dichloropropane	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*cis-1,3-Dichloropropene	U	0.00327		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*trans-1,3-Dichloropropene	U	0.00327		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*Ethylbenzene	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*2-Hexanone	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*Methyl tert-butyl ether	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*4-Methyl-2-pentanone	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*Methylene chloride	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*Styrene	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*1,1,2,2-Tetrachloroethane	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*Tetrachloroethene	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*Toluene	0.0220	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*1,1,1-Trichloroethane	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*1,1,2-Trichloroethane	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*Trichloroethene	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*Vinyl acetate	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*Vinyl chloride	U	0.00546		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
*Xylenes (total)	U	0.0164		mg/Kg dry	1	11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
Surrogate: 4-Bromofluorobenzene		*107 %*		*75-120*		11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
Surrogate: 1,2-Dichloroethane-d4		*119 %*		*75-119*		11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
Surrogate: Toluene-d8		*98 %*		*78-114*		11/8/10 9:04	11/9/10 1:56	SW 8260B	BDP
Semi-Volatile Organic Compounds by GC-MS									
*Acenaphthene	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Acenaphthylene	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Anthracene	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Benzo(a)anthracene	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Benzo(b)fluoranthene	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Benzo(k)fluoranthene	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Benzo(g,h,i)perylene	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Benzo(a)pyrene	U	0.0676		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County
Lab Order: 10K0119
Client Sample ID: B-2 0-20"
Lab ID: 10K0119-02
Collection Date: 11/4/10 10:27
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Benzoic acid	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
Benzyl alcohol	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Bis(2-chloroethoxy)methane	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Bis(2-chloroethyl)ether	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Bis(2-chloroisopropyl)ether	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Bis(2-ethylhexyl)phthalate	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*4-Bromophenyl phenyl ether	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Butyl benzyl phthalate	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Carbazole	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*4-Chloro-3-methylphenol	U	0.750		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*4-Chloroaniline	U	0.592		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*2-Chloronaphthalene	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*2-Chlorophenol	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*4-Chlorophenyl phenyl ether	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Chrysene	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Di-n-butyl phthalate	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Di-n-octyl phthalate	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Dibenz(a,h)anthracene	U	0.0676		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Dibenzofuran	U	1.88		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*1,2-Dichlorobenzene	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*1,3-Dichlorobenzene	U	0.225		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*1,4-Dichlorobenzene	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*3,3'-Dichlorobenzidine	U	0.00592		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*2,4-Dichlorophenol	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Diethyl phthalate	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Dimethyl phthalate	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*2,4-Dimethylphenol	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*4,6-Dinitro-2-methylphenol	U	1.88		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*2,4-Dinitrophenol	U	0.169		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*2,4-Dinitrotoluene	U	0.211		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*2,6-Dinitrotoluene	U	0.220		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Fluoranthene	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Fluorene	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Hexachlorobenzene	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Hexachlorobutadiene	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Hexachlorocyclopentadiene	U	0.750		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Hexachloroethane	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Indeno(1,2,3-cd)pyrene	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Isophorone	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*2-Methylnaphthalene	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*2-Methylphenol	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
3 & 4-Methylphenol	U	0.203		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Naphthalene	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*2-Nitroaniline	U	0.113		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*3-Nitroaniline	U	0.00901		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*4-Nitroaniline	U	0.0845		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Nitrobenzene	U	0.0845		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*2-Nitrophenol	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*4-Nitrophenol	U	1.88		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*N-Nitroso-di-n-propylamine	U	0.00152		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA

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LABORATORY RESULTS

Client:	Testing Service Corporation-RK		
Project:	Meridian Road 06-00400-00-RS / Winnebago County	**Lab Order:**	10K0119
Client Sample ID:	B-2 0-20"	**Lab ID:**	10K0119-02
Collection Date:	11/4/10 10:27	**Matrix:**	Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
N-Nitrosodimethylamine	U	0.0197	M	mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*N-Nitrosodiphenylamine	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Pentachlorophenol	U	0.0254		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Phenanthrene	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Phenol	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*Pyrene	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*1,2,4-Trichlorobenzene	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*2,4,5-Trichlorophenol	U	0.375		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
*2,4,6-Trichlorophenol	U	0.169		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
Surrogate: 2-Fluorobiphenyl		*76 %*		*40-120*		11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
Surrogate: 2-Fluorophenol		*50 %*		*20-115*		11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
Surrogate: Nitrobenzene-d5		*75 %*		*45-135*		11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
Surrogate: Phenol-d6		*58 %*		*20-100*		11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
Surrogate: 4-Terphenyl-d14		*60 %*		*60-130*		11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
Surrogate: 2,4,6-Tribromophenol		*43 %*		*30-100*		11/10/10 15:27	11/11/10 20:08	SW 8270C	JKA
Polychlorinated Biphenyls by GC-ECD									
*Aroclor 1016	U	0.0352		mg/Kg dry	1	11/10/10 14:52	11/10/10 19:04	SW 8082	SCW
*Aroclor 1221	U	0.0352		mg/Kg dry	1	11/10/10 14:52	11/10/10 19:04	SW 8082	SCW
*Aroclor 1232	U	0.0352		mg/Kg dry	1	11/10/10 14:52	11/10/10 19:04	SW 8082	SCW
*Aroclor 1242	U	0.0352		mg/Kg dry	1	11/10/10 14:52	11/10/10 19:04	SW 8082	SCW
*Aroclor 1248	U	0.0352		mg/Kg dry	1	11/10/10 14:52	11/10/10 19:04	SW 8082	SCW
*Aroclor 1254	U	0.0352		mg/Kg dry	1	11/10/10 14:52	11/10/10 19:04	SW 8082	SCW
*Aroclor 1260	U	0.0352		mg/Kg dry	1	11/10/10 14:52	11/10/10 19:04	SW 8082	SCW
Surrogate: Decachlorobiphenyl		*102 %*		*60-140*		11/10/10 14:52	11/10/10 19:04	SW 8082	SCW
Surrogate: Tetrachloro-m-xylene		*119 %*		*60-140*		11/10/10 14:52	11/10/10 19:04	SW 8082	SCW
Metals by ICP-MS									
*Arsenic	6.37	0.519		mg/Kg dry	2	11/8/10 10:44	11/12/10 13:52	SW 6020A	JTC
*Barium	53.1	0.519		mg/Kg dry	2	11/8/10 10:44	11/12/10 13:52	SW 6020A	JTC
*Cadmium	U	0.519		mg/Kg dry	2	11/8/10 10:44	11/12/10 13:52	SW 6020A	JTC
*Chromium	14.6	0.519		mg/Kg dry	2	11/8/10 10:44	11/12/10 13:52	SW 6020A	JTC
*Lead	17.2	0.519		mg/Kg dry	2	11/8/10 10:44	11/12/10 13:52	SW 6020A	JTC
*Mercury	U	0.104		mg/Kg dry	2	11/8/10 10:44	11/12/10 13:52	SW 6020A	JTC
*Selenium	U	0.519		mg/Kg dry	2	11/8/10 10:44	11/12/10 13:52	SW 6020A	JTC
*Silver	U	0.519		mg/Kg dry	2	11/8/10 10:44	11/12/10 13:52	SW 6020A	JTC
Conventional Chemistry Parameters									
*Hexavalent Chromium	U	7.25		mg/Kg dry	10	11/12/10 10:25	11/12/10 15:25	SW 7196A	RMN
*pH	8.93	0.0100		pH Units	1	11/10/10 10:20	11/10/10 13:48	SW 9045C	MSR
Percent Solids	88.4	0.0100		%	1	11/10/10 15:30	11/11/10 8:35	ASTM D2216	RMN

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County
Lab Order: 10K0119
Client Sample ID: B-3 0-20"
Lab ID: 10K0119-03
Collection Date: 11/4/10 10:48
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Volatile Organic Compounds by GC-MS									
*Acetone	U	0.0393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*Benzene	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*Bromodichloromethane	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*Bromoform	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*Bromomethane	U	0.00786		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*2-Butanone	U	0.00786		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*Carbon disulfide	U	0.00786		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*Carbon tetrachloride	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*Chlorobenzene	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
Chloroethane	U	0.00786		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*Chloroform	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*Chloromethane	U	0.00786		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*Dibromochloromethane	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*1,1-Dichloroethane	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*1,2-Dichloroethane	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*1,1-Dichloroethene	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*cis-1,2-Dichloroethene	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*trans-1,2-Dichloroethene	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*1,2-Dichloropropane	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*cis-1,3-Dichloropropene	U	0.00236		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*trans-1,3-Dichloropropene	U	0.00236		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*Ethylbenzene	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*2-Hexanone	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*Methyl tert-butyl ether	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*4-Methyl-2-pentanone	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*Methylene chloride	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*Styrene	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*1,1,2,2-Tetrachloroethane	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*Tetrachloroethene	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*Toluene	0.00519	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*1,1,1-Trichloroethane	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*1,1,2-Trichloroethane	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*Trichloroethene	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*Vinyl acetate	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*Vinyl chloride	U	0.00393		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
*Xylenes (total)	U	0.0118		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
Surrogate: 4-Bromofluorobenzene		*79%*		*75-120*		11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
Surrogate: 1,2-Dichloroethane-d4		*116%*		*75-119*		11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
Surrogate: Toluene-d8		*112%*		*78-114*		11/8/10 9:04	11/9/10 2:27	SW 8260B	BDP
Semi-Volatile Organic Compounds by GC-MS									
*Acenaphthene	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Acenaphthylene	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Anthracene	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Benzo(a)anthracene	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Benzo(b)fluoranthene	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Benzo(k)fluoranthene	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Benzo(g,h,i)perylene	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Benzo(a)pyrene	U	0.0631		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA

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LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County
Lab Order: 10K0119
Client Sample ID: B-3 0-20"
Lab ID: 10K0119-03
Collection Date: 11/4/10 10:48
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Benzoic acid	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
Benzyl alcohol	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Bis(2-chloroethoxy)methane	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Bis(2-chloroethyl)ether	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Bis(2-chloroisopropyl)ether	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Bis(2-ethylhexyl)phthalate	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*4-Bromophenyl phenyl ether	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Butyl benzyl phthalate	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Carbazole	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*4-Chloro-3-methylphenol	U	0.700		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*4-Chloroaniline	U	0.552		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*2-Chloronaphthalene	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*2-Chlorophenol	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*4-Chlorophenyl phenyl ether	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Chrysene	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Di-n-butyl phthalate	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Di-n-octyl phthalate	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Dibenz(a,h)anthracene	U	0.0631		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Dibenzofuran	U	1.75		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*1,2-Dichlorobenzene	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*1,3-Dichlorobenzene	U	0.210		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*1,4-Dichlorobenzene	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*3,3'-Dichlorobenzidine	U	0.00552		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*2,4-Dichlorophenol	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Diethyl phthalate	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Dimethyl phthalate	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*2,4-Dimethylphenol	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*4,6-Dinitro-2-methylphenol	U	1.75		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*2,4-Dinitrophenol	U	0.158		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*2,4-Dinitrotoluene	U	0.197		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*2,6-Dinitrotoluene	U	0.205		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Fluoranthene	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Fluorene	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Hexachlorobenzene	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Hexachlorobutadiene	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Hexachlorocyclopentadiene	U	0.700		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Hexachloroethane	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Indeno(1,2,3-cd)pyrene	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Isophorone	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*2-Methylnaphthalene	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*2-Methylphenol	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
3 & 4-Methylphenol	U	0.189		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Naphthalene	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*2-Nitroaniline	U	0.105		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*3-Nitroaniline	U	0.00841		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*4-Nitroaniline	U	0.0789		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Nitrobenzene	U	0.0789		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*2-Nitrophenol	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*4-Nitrophenol	U	1.75		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*N-Nitroso-di-n-propylamine	U	0.00142		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County
Lab Order: 10K0119
Client Sample ID: B-3 0-20"
Lab ID: 10K0119-03
Collection Date: 11/4/10 10:48
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
N-Nitrosodimethylamine	U	0.0184	M	mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*N-Nitrosodiphenylamine	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Pentachlorophenol	U	0.0237		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Phenanthrene	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Phenol	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*Pyrene	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*1,2,4-Trichlorobenzene	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*2,4,5-Trichlorophenol	U	0.350		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
*2,4,6-Trichlorophenol	U	0.158		mg/Kg dry	1	11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
Surrogate: 2-Fluorobiphenyl		78 %		40-120		11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
Surrogate: 2-Fluorophenol		54 %		20-115		11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
Surrogate: Nitrobenzene-d5		78 %		45-135		11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
Surrogate: Phenol-d6		59 %		20-100		11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
Surrogate: 4-Terphenyl-d14		63 %		60-130		11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
Surrogate: 2,4,6-Tribromophenol		47 %		30-100		11/10/10 15:27	11/11/10 16:11	SW 8270C	JKA
Polychlorinated Biphenyls by GC-ECD									
*Aroclor 1016	U	0.0342		mg/Kg dry	1	11/10/10 14:52	11/10/10 19:38	SW 8082	SCW
*Aroclor 1221	U	0.0342		mg/Kg dry	1	11/10/10 14:52	11/10/10 19:38	SW 8082	SCW
*Aroclor 1232	U	0.0342		mg/Kg dry	1	11/10/10 14:52	11/10/10 19:38	SW 8082	SCW
*Aroclor 1242	U	0.0342		mg/Kg dry	1	11/10/10 14:52	11/10/10 19:38	SW 8082	SCW
*Aroclor 1248	U	0.0342		mg/Kg dry	1	11/10/10 14:52	11/10/10 19:38	SW 8082	SCW
*Aroclor 1254	U	0.0342		mg/Kg dry	1	11/10/10 14:52	11/10/10 19:38	SW 8082	SCW
*Aroclor 1260	U	0.0342		mg/Kg dry	1	11/10/10 14:52	11/10/10 19:38	SW 8082	SCW
Surrogate: Decachlorobiphenyl		96 %		60-140		11/10/10 14:52	11/10/10 19:38	SW 8082	SCW
Surrogate: Tetrachloro-m-xylene		96 %		60-140		11/10/10 14:52	11/10/10 19:38	SW 8082	SCW
Metals by ICP-MS									
*Arsenic	4.00	0.545		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:00	SW 6020A	JTC
*Barium	60.4	0.545		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:00	SW 6020A	JTC
*Cadmium	U	0.545		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:00	SW 6020A	JTC
*Chromium	13.4	0.545		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:00	SW 6020A	JTC
*Lead	7.49	0.545		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:00	SW 6020A	JTC
*Mercury	U	0.109		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:00	SW 6020A	JTC
*Selenium	U	0.545		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:00	SW 6020A	JTC
*Silver	U	0.545		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:00	SW 6020A	JTC
Conventional Chemistry Parameters									
*Hexavalent Chromium	U	7.79		mg/Kg dry	10	11/12/10 10:25	11/12/10 15:25	SW 7196A	RMN
*pH	7.88	0.0100		pH Units	1	11/10/10 10:20	11/10/10 13:51	SW 9045C	MSR
Percent Solids	90.0	0.0100		%	1	11/10/10 15:30	11/11/10 8:35	ASTM D2216	RMN

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County Lab Order: 10K0119
Client Sample ID: B-4, 5+6 0-20" Lab ID: 10K0119-04
Collection Date: 11/4/10 11:16 Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Volatile Organic Compounds by GC-MS									
*Acetone	U	0.0630		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*Benzene	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*Bromodichloromethane	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*Bromoform	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*Bromomethane	U	0.0103		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*2-Butanone	U	0.0103		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*Carbon disulfide	U	0.0103		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*Carbon tetrachloride	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*Chlorobenzene	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
Chloroethane	U	0.0103		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*Chloroform	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*Chloromethane	U	0.0103		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*Dibromochloromethane	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*1,1-Dichloroethane	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*1,2-Dichloroethane	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*1,1-Dichloroethene	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*cis-1,2-Dichloroethene	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*trans-1,2-Dichloroethene	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*1,2-Dichloropropane	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*cis-1,3-Dichloropropene	U	0.00310		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*trans-1,3-Dichloropropene	U	0.00310		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*Ethylbenzene	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*2-Hexanone	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*Methyl tert-butyl ether	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*4-Methyl-2-pentanone	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*Methylene chloride	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*Styrene	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*1,1,2,2-Tetrachloroethane	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*Tetrachloroethene	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*Toluene	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*1,1,1-Trichloroethane	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*1,1,2-Trichloroethane	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*Trichloroethene	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*Vinyl acetate	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*Vinyl chloride	U	0.00517		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
*Xylenes (total)	U	0.0155		mg/Kg dry	1	11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
Surrogate: 4-Bromofluorobenzene		*79 %*		*75-120*		11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
Surrogate: 1,2-Dichloroethane-d4		*116 %*		*75-119*		11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
Surrogate: Toluene-d8		*111 %*		*78-114*		11/8/10 9:04	11/9/10 2:58	SW 8260B	BDP
Semi-Volatile Organic Compounds by GC-MS									
*Acenaphthene	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Acenaphthylene	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Anthracene	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Benzo(a)anthracene	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Benzo(b)fluoranthene	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Benzo(k)fluoranthene	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Benzo(g,h,i)perylene	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Benzo(a)pyrene	U	0.0708		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County Lab Order: 10K0119
Client Sample ID: B-4, 5+6 0-20" Lab ID: 10K0119-04
Collection Date: 11/4/10 11:16 Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Benzoic acid	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
Benzyl alcohol	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Bis(2-chloroethoxy)methane	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Bis(2-chloroethyl)ether	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Bis(2-chloroisopropyl)ether	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Bis(2-ethylhexyl)phthalate	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*4-Bromophenyl phenyl ether	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Butyl benzyl phthalate	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Carbazole	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*4-Chloro-3-methylphenol	U	0.785		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*4-Chloroaniline	U	0.619		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*2-Chloronaphthalene	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*2-Chlorophenol	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*4-Chlorophenyl phenyl ether	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Chrysene	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Di-n-butyl phthalate	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Di-n-octyl phthalate	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Dibenz(a,h)anthracene	U	0.0708		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Dibenzofuran	U	1.96		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*1,2-Dichlorobenzene	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*1,3-Dichlorobenzene	U	0.236		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*1,4-Dichlorobenzene	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*3,3'-Dichlorobenzidine	U	0.00619		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*2,4-Dichlorophenol	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Diethyl phthalate	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Dimethyl phthalate	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*2,4-Dimethylphenol	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*4,6-Dinitro-2-methylphenol	U	1.96		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*2,4-Dinitrophenol	U	0.177		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*2,4-Dinitrotoluene	U	0.221		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*2,6-Dinitrotoluene	U	0.230		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Fluoranthene	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Fluorene	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Hexachlorobenzene	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Hexachlorobutadiene	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Hexachlorocyclopentadiene	U	0.785		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Hexachloroethane	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Indeno(1,2,3-cd)pyrene	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Isophorone	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*2-Methylnaphthalene	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*2-Methylphenol	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
3 & 4-Methylphenol	U	0.212		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Naphthalene	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*2-Nitroaniline	U	0.118		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*3-Nitroaniline	U	0.00943		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*4-Nitroaniline	U	0.0884		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Nitrobenzene	U	0.0884		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*2-Nitrophenol	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*4-Nitrophenol	U	1.96		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*N-Nitroso-di-n-propylamine	U	0.00159		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County
Lab Order: 10K0119
Client Sample ID: B-4, 5+6 0-20"
Lab ID: 10K0119-04
Collection Date: 11/4/10 11:16
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
N-Nitrosodimethylamine	U	0.0206	M	mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*N-Nitrosodiphenylamine	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Pentachlorophenol	U	0.0265		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Phenanthrene	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Phenol	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*Pyrene	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*1,2,4-Trichlorobenzene	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*2,4,5-Trichlorophenol	U	0.393		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
*2,4,6-Trichlorophenol	U	0.177		mg/Kg dry	1	11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
Surrogate: 2-Fluorobiphenyl		*76 %*		*40-120*		11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
Surrogate: 2-Fluorophenol		*53 %*		*20-115*		11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
Surrogate: Nitrobenzene-d5		*82 %*		*45-135*		11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
Surrogate: Phenol-d6		*59 %*		*20-100*		11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
Surrogate: 4-Terphenyl-d14		*65 %*		*60-130*		11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
Surrogate: 2,4,6-Tribromophenol		*48 %*		*30-100*		11/10/10 15:27	11/11/10 17:53	SW 8270C	JKA
Polychlorinated Biphenyls by GC-ECD									
*Aroclor 1016	U	0.0370		mg/Kg dry	1	11/10/10 14:52	11/10/10 20:11	SW 8082	SCW
*Aroclor 1221	U	0.0370		mg/Kg dry	1	11/10/10 14:52	11/10/10 20:11	SW 8082	SCW
*Aroclor 1232	U	0.0370		mg/Kg dry	1	11/10/10 14:52	11/10/10 20:11	SW 8082	SCW
*Aroclor 1242	U	0.0370		mg/Kg dry	1	11/10/10 14:52	11/10/10 20:11	SW 8082	SCW
*Aroclor 1248	U	0.0370		mg/Kg dry	1	11/10/10 14:52	11/10/10 20:11	SW 8082	SCW
*Aroclor 1254	U	0.0370		mg/Kg dry	1	11/10/10 14:52	11/10/10 20:11	SW 8082	SCW
*Aroclor 1260	U	0.0370		mg/Kg dry	1	11/10/10 14:52	11/10/10 20:11	SW 8082	SCW
Surrogate: Decachlorobiphenyl		*97 %*		*60-140*		11/10/10 14:52	11/10/10 20:11	SW 8082	SCW
Surrogate: Tetrachloro-m-xylene		*87 %*		*60-140*		11/10/10 14:52	11/10/10 20:11	SW 8082	SCW
Metals by ICP-MS									
*Arsenic	5.82	0.546		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:09	SW 6020A	JTC
*Barium	66.7	2.73		mg/Kg dry	10	11/8/10 10:44	11/13/10 5:00	SW 6020A	JTC
*Cadmium	U	0.546		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:09	SW 6020A	JTC
*Chromium	18.8	0.546		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:09	SW 6020A	JTC
*Lead	12.7	0.546		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:09	SW 6020A	JTC
*Mercury	U	0.109		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:09	SW 6020A	JTC
*Selenium	U	0.546		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:09	SW 6020A	JTC
*Silver	U	0.546		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:09	SW 6020A	JTC
Conventional Chemistry Parameters									
*Hexavalent Chromium	U	6.76		mg/Kg dry	10	11/12/10 10:25	11/12/10 15:25	SW 7196A	RMN
*pH	8.02	0.0100		pH Units	1	11/10/10 10:20	11/10/10 13:55	SW 9045C	MSR
Percent Solids	84.7	0.0100		%	1	11/10/10 15:30	11/11/10 8:35	ASTM D2216	RMN

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County
Lab Order: 10K0119
Client Sample ID: B-7+8 0-20"
Lab ID: 10K0119-05
Collection Date: 11/4/10 12:32
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Volatile Organic Compounds by GC-MS									
*Acetone	U	0.0568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*Benzene	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*Bromodichloromethane	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*Bromoform	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*Bromomethane	U	0.0114		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*2-Butanone	U	0.0114		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*Carbon disulfide	U	0.0114		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*Carbon tetrachloride	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*Chlorobenzene	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
Chloroethane	U	0.0114		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*Chloroform	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*Chloromethane	U	0.0114		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*Dibromochloromethane	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*1,1-Dichloroethane	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*1,2-Dichloroethane	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*1,1-Dichloroethene	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*cis-1,2-Dichloroethene	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*trans-1,2-Dichloroethene	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*1,2-Dichloropropane	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*cis-1,3-Dichloropropene	U	0.00341		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*trans-1,3-Dichloropropene	U	0.00341		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*Ethylbenzene	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*2-Hexanone	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*Methyl tert-butyl ether	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*4-Methyl-2-pentanone	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*Methylene chloride	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*Styrene	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*1,1,2,2-Tetrachloroethane	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*Tetrachloroethene	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*Toluene	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*1,1,1-Trichloroethane	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*1,1,2-Trichloroethane	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*Trichloroethene	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*Vinyl acetate	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*Vinyl chloride	U	0.00568		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
*Xylenes (total)	U	0.0171		mg/Kg dry	1	11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
Surrogate: 4-Bromofluorobenzene		*79 %*		*75-120*		11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
Surrogate: 1,2-Dichloroethane-d4		*118 %*		*75-119*		11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
Surrogate: Toluene-d8		*112 %*		*78-114*		11/8/10 9:04	11/9/10 3:28	SW 8260B	BDP
Semi-Volatile Organic Compounds by GC-MS									
*Acenaphthene	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Acenaphthylene	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Anthracene	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Benzo(a)anthracene	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Benzo(b)fluoranthene	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Benzo(k)fluoranthene	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Benzo(g,h,i)perylene	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Benzo(a)pyrene	0.0920	0.0659		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County
Lab Order: 10K0119
Client Sample ID: B-7+8 0-20"
Lab ID: 10K0119-05
Collection Date: 11/4/10 12:32
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Benzoic acid	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
Benzyl alcohol	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Bis(2-chloroethoxy)methane	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Bis(2-chloroethyl)ether	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Bis(2-chloroisopropyl)ether	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Bis(2-ethylhexyl)phthalate	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*4-Bromophenyl phenyl ether	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Butyl benzyl phthalate	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Carbazole	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*4-Chloro-3-methylphenol	U	0.732		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*4-Chloroaniline	U	0.577		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*2-Chloronaphthalene	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*2-Chlorophenol	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*4-Chlorophenyl phenyl ether	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Chrysene	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Di-n-butyl phthalate	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Di-n-octyl phthalate	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Dibenz(a,h)anthracene	U	0.0659		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Dibenzofuran	U	1.83		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*1,2-Dichlorobenzene	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*1,3-Dichlorobenzene	U	0.220		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*1,4-Dichlorobenzene	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*3,3'-Dichlorobenzidine	U	0.00577		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*2,4-Dichlorophenol	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Diethyl phthalate	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Dimethyl phthalate	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*2,4-Dimethylphenol	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*4,6-Dinitro-2-methylphenol	U	1.83		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*2,4-Dinitrophenol	U	0.165		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*2,4-Dinitrotoluene	U	0.206		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*2,6-Dinitrotoluene	U	0.214		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Fluoranthene	0.414	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Fluorene	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Hexachlorobenzene	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Hexachlorobutadiene	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Hexachlorocyclopentadiene	U	0.732		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Hexachloroethane	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Indeno(1,2,3-cd)pyrene	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Isophorone	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*2-Methylnaphthalene	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*2-Methylphenol	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
3 & 4-Methylphenol	U	0.198		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Naphthalene	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*2-Nitroaniline	U	0.110		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*3-Nitroaniline	U	0.00879		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*4-Nitroaniline	U	0.0824		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Nitrobenzene	U	0.0824		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*2-Nitrophenol	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*4-Nitrophenol	U	1.83		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*N-Nitroso-di-n-propylamine	U	0.00148		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County
Lab Order: 10K0119
Client Sample ID: B-7+8 0-20"
Lab ID: 10K0119-05
Collection Date: 11/4/10 12:32
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
N-Nitrosodimethylamine	U	0.0192	M	mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*N-Nitrosodiphenylamine	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Pentachlorophenol	U	0.0247		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Phenanthrene	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Phenol	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*Pyrene	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*1,2,4-Trichlorobenzene	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*2,4,5-Trichlorophenol	U	0.366		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
*2,4,6-Trichlorophenol	U	0.165		mg/Kg dry	1	11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
Surrogate: 2-Fluorobiphenyl		*76 %*		*40-120*		11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
Surrogate: 2-Fluorophenol		*51 %*		*20-115*		11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
Surrogate: Nitrobenzene-d5		*77 %*		*45-135*		11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
Surrogate: Phenol-d6		*57 %*		*20-100*		11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
Surrogate: 4-Terphenyl-d14		*60 %*		*60-130*		11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
Surrogate: 2,4,6-Tribromophenol		*46 %*		*30-100*		11/10/10 15:27	11/11/10 20:42	SW 8270C	JKA
Polychlorinated Biphenyls by GC-ECD									
*Aroclor 1016	U	0.0359		mg/Kg dry	1	11/10/10 14:52	11/10/10 20:45	SW 8082	SCW
*Aroclor 1221	U	0.0359		mg/Kg dry	1	11/10/10 14:52	11/10/10 20:45	SW 8082	SCW
*Aroclor 1232	U	0.0359		mg/Kg dry	1	11/10/10 14:52	11/10/10 20:45	SW 8082	SCW
*Aroclor 1242	U	0.0359		mg/Kg dry	1	11/10/10 14:52	11/10/10 20:45	SW 8082	SCW
*Aroclor 1248	U	0.0359		mg/Kg dry	1	11/10/10 14:52	11/10/10 20:45	SW 8082	SCW
*Aroclor 1254	U	0.0359		mg/Kg dry	1	11/10/10 14:52	11/10/10 20:45	SW 8082	SCW
*Aroclor 1260	U	0.0359		mg/Kg dry	1	11/10/10 14:52	11/10/10 20:45	SW 8082	SCW
Surrogate: Decachlorobiphenyl		*100 %*		*60-140*		11/10/10 14:52	11/10/10 20:45	SW 8082	SCW
Surrogate: Tetrachloro-m-xylene		*102 %*		*60-140*		11/10/10 14:52	11/10/10 20:45	SW 8082	SCW
Metals by ICP-MS									
*Arsenic	5.86	0.572		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:17	SW 6020A	JTC
*Barium	95.3	0.572		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:17	SW 6020A	JTC
*Cadmium	U	0.572		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:17	SW 6020A	JTC
*Chromium	15.9	0.572		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:17	SW 6020A	JTC
*Lead	9.47	0.572		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:17	SW 6020A	JTC
*Mercury	U	0.114		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:17	SW 6020A	JTC
*Selenium	U	0.572		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:17	SW 6020A	JTC
*Silver	U	0.572		mg/Kg dry	2	11/8/10 10:44	11/12/10 14:17	SW 6020A	JTC
Conventional Chemistry Parameters									
*Hexavalent Chromium	U	8.02		mg/Kg dry	10	11/12/10 10:25	11/12/10 15:25	SW 7196A	RMN
*pH	8.06	0.0100		pH Units	1	11/10/10 10:20	11/10/10 13:57	SW 9045C	MSR
Percent Solids	86.6	0.0100		%	1	11/10/10 15:30	11/11/10 8:35	ASTM D2216	RMN

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County Lab Order: 10K0119

Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T004658 - SW 5035A VOA										
Blank (T004658-BLK1)				Prepared & Analyzed: 11/08/2010						
Acetone	U	0.0500	mg/Kg wet							
Benzene	U	0.00500	mg/Kg wet							
Bromodichloromethane	U	0.00500	mg/Kg wet							
Bromoform	U	0.00500	mg/Kg wet							
Bromomethane	U	0.0100	mg/Kg wet							
2-Butanone	U	0.0100	mg/Kg wet							
Carbon disulfide	U	0.0100	mg/Kg wet							
Carbon tetrachloride	U	0.00500	mg/Kg wet							
Chlorobenzene	U	0.00500	mg/Kg wet							
Chloroethane	U	0.0100	mg/Kg wet							
Chloroform	U	0.00500	mg/Kg wet							
Chloromethane	U	0.0100	mg/Kg wet							
Dibromochloromethane	U	0.00500	mg/Kg wet							
1,1-Dichloroethane	U	0.00500	mg/Kg wet							
1,2-Dichloroethane	U	0.00500	mg/Kg wet							
1,1-Dichloroethene	U	0.00500	mg/Kg wet							
cis-1,2-Dichloroethene	U	0.00500	mg/Kg wet							
trans-1,2-Dichloroethene	U	0.00500	mg/Kg wet							
1,2-Dichloropropane	U	0.00500	mg/Kg wet							
cis-1,3-Dichloropropene	U	0.00200	mg/Kg wet							
trans-1,3-Dichloropropene	U	0.00200	mg/Kg wet							
Ethylbenzene	U	0.00500	mg/Kg wet							
2-Hexanone	U	0.00500	mg/Kg wet							
Methyl tert-butyl ether	U	0.00500	mg/Kg wet							
4-Methyl-2-pentanone	U	0.00500	mg/Kg wet							
Methylene chloride	U	0.00500	mg/Kg wet							
Styrene	U	0.00500	mg/Kg wet							
1,1,2,2-Tetrachloroethane	U	0.00500	mg/Kg wet							
Tetrachloroethene	U	0.00500	mg/Kg wet							
Toluene	U	0.00500	mg/Kg wet							
1,1,1-Trichloroethane	U	0.00500	mg/Kg wet							
1,1,2-Trichloroethane	U	0.00500	mg/Kg wet							
Trichloroethene	U	0.00500	mg/Kg wet							
Vinyl acetate	U	0.00500	mg/Kg wet							
Vinyl chloride	U	0.00500	mg/Kg wet							
Xylenes (total)	U	0.0150	mg/Kg wet							
Surrogate: 4-Bromofluorobenzene	*0.0472*		*mg/Kg wet*	*0.050000*		*94*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*0.0541*		*mg/Kg wet*	*0.050000*		*108*	*75-119*			
Surrogate: Toluene-d8	*0.0546*		*mg/Kg wet*	*0.050000*		*109*	*78-114*			

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County Lab Order: 10K0119

Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T004658 - SW 5035A VOA										
LCS (T004658-BS1)				Prepared & Analyzed: 11/08/2010						
Benzene	0.0572	0.00500	mg/Kg wet	0.050000		114	80-130			
Chlorobenzene	0.0486	0.00500	mg/Kg wet	0.050000		97	85-120			
1,1-Dichloroethene	0.0644	0.00500	mg/Kg wet	0.050000		129	70-130			
Ethylbenzene	0.0448	0.00500	mg/Kg wet	0.050000		90	85-130			
Toluene	0.0557	0.00500	mg/Kg wet	0.050000		111	80-130			
Trichloroethene	0.0573	0.00500	mg/Kg wet	0.050000		115	75-130			
Xylenes (total)	0.160	0.0150	mg/Kg wet	0.15000		106	80-130			
Surrogate: 4-Bromofluorobenzene	*0.0394*		*mg/Kg wet*	*0.050000*		*79*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*0.0545*		*mg/Kg wet*	*0.050000*		*109*	*75-119*			
Surrogate: Toluene-d8	*0.0560*		*mg/Kg wet*	*0.050000*		*112*	*78-114*			
Matrix Spike (T004658-MS1)	Source: 10K0119-01			Prepared: 11/08/2010 Analyzed: 11/09/2010						
Benzene	0.0367	0.00610	mg/Kg dry	0.061017	ND	60	50-140			
Chlorobenzene	0.0328	0.00610	mg/Kg dry	0.061017	ND	54	60-130			I, S
1,1-Dichloroethene	0.0306	0.00610	mg/Kg dry	0.061017	ND	50	60-130			I, S
Ethylbenzene	0.0290	0.00610	mg/Kg dry	0.061017	ND	47	50-140			I, S
Toluene	0.0370	0.00610	mg/Kg dry	0.061017	ND	61	55-130			
Trichloroethene	0.0328	0.00610	mg/Kg dry	0.061017	ND	54	60-130			I, S
Xylenes (total)	0.0779	0.0183	mg/Kg dry	0.18305	ND	43	60-130			I, S
Surrogate: 4-Bromofluorobenzene	*0.0466*		*mg/Kg dry*	*0.061017*		*76*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*0.0652*		*mg/Kg dry*	*0.061017*		*107*	*75-119*			
Surrogate: Toluene-d8	*0.0692*		*mg/Kg dry*	*0.061017*		*113*	*78-114*			
Matrix Spike Dup (T004658-MSD1)	Source: 10K0119-01			Prepared: 11/08/2010 Analyzed: 11/09/2010						
Benzene	0.0308	0.00657	mg/Kg dry	0.065669	ND	47	50-140	17	20	S
Chlorobenzene	0.0275	0.00657	mg/Kg dry	0.065669	ND	42	60-130	17	20	S
1,1-Dichloroethene	0.0240	0.00657	mg/Kg dry	0.065669	ND	37	60-130	24	20	R, S
Ethylbenzene	0.0259	0.00657	mg/Kg dry	0.065669	ND	39	50-140	11	25	S
Toluene	0.0284	0.00657	mg/Kg dry	0.065669	ND	43	55-130	26	25	R, S
Trichloroethene	0.0247	0.00657	mg/Kg dry	0.065669	ND	38	60-130	28	20	R, S
Xylenes (total)	0.0761	0.0197	mg/Kg dry	0.19701	ND	39	60-130	2	25	S
Surrogate: 4-Bromofluorobenzene	*0.0615*		*mg/Kg dry*	*0.065669*		*94*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*0.0661*		*mg/Kg dry*	*0.065669*		*101*	*75-119*			
Surrogate: Toluene-d8	*0.0685*		*mg/Kg dry*	*0.065669*		*104*	*78-114*			

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County Lab Order: 10K0119

Semi-Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T004716 - SW 3550B BNA										
Blank (T004716-BLK1)				Prepared: 11/10/2010 Analyzed: 11/11/2010						
Acenaphthene	U	0.333	mg/Kg wet							
Acenaphthylene	U	0.333	mg/Kg wet							
Anthracene	U	0.333	mg/Kg wet							
Benzo(a)anthracene	U	0.333	mg/Kg wet							
Benzo(b)fluoranthene	U	0.333	mg/Kg wet							
Benzo(k)fluoranthene	U	0.333	mg/Kg wet							
Benzo(g,h,i)perylene	U	0.333	mg/Kg wet							
Benzo(a)pyrene	U	0.0600	mg/Kg wet							
Benzoic acid	U	0.333	mg/Kg wet							
Benzyl alcohol	U	0.333	mg/Kg wet							
Bis(2-chloroethoxy)methane	U	0.333	mg/Kg wet							
Bis(2-chloroethyl)ether	U	0.333	mg/Kg wet							
Bis(2-chloroisopropyl)ether	U	0.333	mg/Kg wet							
Bis(2-ethylhexyl)phthalate	U	0.333	mg/Kg wet							
4-Bromophenyl phenyl ether	U	0.333	mg/Kg wet							
Butyl benzyl phthalate	U	0.333	mg/Kg wet							
Carbazole	U	0.333	mg/Kg wet							
4-Chloro-3-methylphenol	U	0.666	mg/Kg wet							
4-Chloroaniline	U	0.525	mg/Kg wet							
2-Chloronaphthalene	U	0.333	mg/Kg wet							
2-Chlorophenol	U	0.333	mg/Kg wet							
4-Chlorophenyl phenyl ether	U	0.333	mg/Kg wet							
Chrysene	U	0.333	mg/Kg wet							
Di-n-butyl phthalate	U	0.333	mg/Kg wet							
Di-n-octyl phthalate	U	0.333	mg/Kg wet							
Dibenz(a,h)anthracene	U	0.0600	mg/Kg wet							
Dibenzofuran	U	1.66	mg/Kg wet							
1,2-Dichlorobenzene	U	0.333	mg/Kg wet							
1,3-Dichlorobenzene	U	0.200	mg/Kg wet							
1,4-Dichlorobenzene	U	0.333	mg/Kg wet							
3,3'-Dichlorobenzidine	U	0.00525	mg/Kg wet							
2,4-Dichlorophenol	U	0.333	mg/Kg wet							
Diethyl phthalate	U	0.333	mg/Kg wet							
Dimethyl phthalate	U	0.333	mg/Kg wet							
2,4-Dimethylphenol	U	0.333	mg/Kg wet							
4,6-Dinitro-2-methylphenol	U	1.66	mg/Kg wet							
2,4-Dinitrophenol	U	0.150	mg/Kg wet							
2,4-Dinitrotoluene	U	0.188	mg/Kg wet							
2,6-Dinitrotoluene	U	0.195	mg/Kg wet							
Fluoranthene	U	0.333	mg/Kg wet							
Fluorene	U	0.333	mg/Kg wet							
Hexachlorobenzene	U	0.333	mg/Kg wet							
Hexachlorobutadiene	U	0.333	mg/Kg wet							
Hexachlorocyclopentadiene	U	0.666	mg/Kg wet							

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County Lab Order: 10K0119

Semi-Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T004716 - SW 3550B BNA										
Blank (T004716-BLK1)				Prepared: 11/10/2010 Analyzed: 11/11/2010						
Hexachloroethane	U	0.333	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	U	0.333	mg/Kg wet							
Isophorone	U	0.333	mg/Kg wet							
2-Methylnaphthalene	U	0.333	mg/Kg wet							
2-Methylphenol	U	0.333	mg/Kg wet							
3 & 4-Methylphenol	U	0.180	mg/Kg wet							
Naphthalene	U	0.333	mg/Kg wet							
2-Nitroaniline	U	0.100	mg/Kg wet							
3-Nitroaniline	U	0.00800	mg/Kg wet							
4-Nitroaniline	U	0.0750	mg/Kg wet							
Nitrobenzene	U	0.0750	mg/Kg wet							
2-Nitrophenol	U	0.333	mg/Kg wet							
4-Nitrophenol	U	1.66	mg/Kg wet							
N-Nitroso-di-n-propylamine	U	0.00135	mg/Kg wet							
N-Nitrosodimethylamine	U	0.0175	mg/Kg wet							M
N-Nitrosodiphenylamine	U	0.333	mg/Kg wet							
Pentachlorophenol	U	0.0225	mg/Kg wet							
Phenanthrene	U	0.333	mg/Kg wet							
Phenol	U	0.333	mg/Kg wet							
Pyrene	U	0.333	mg/Kg wet							
1,2,4-Trichlorobenzene	U	0.333	mg/Kg wet							
2,4,5-Trichlorophenol	U	0.333	mg/Kg wet							
2,4,6-Trichlorophenol	U	0.150	mg/Kg wet							
Surrogate: 2-Fluorobiphenyl	*0.564*		*mg/Kg wet*	*0.66667*		*85*	*40-120*			
Surrogate: 2-Fluorophenol	*0.585*		*mg/Kg wet*	*1.0000*		*58*	*20-115*			
Surrogate: Nitrobenzene-d5	*0.618*		*mg/Kg wet*	*0.66667*		*93*	*45-135*			
Surrogate: Phenol-d6	*0.618*		*mg/Kg wet*	*1.0000*		*62*	*20-100*			
Surrogate: 4-Terphenyl-d14	*0.493*		*mg/Kg wet*	*0.66667*		*74*	*60-130*			
Surrogate: 2,4,6-Tribromophenol	*0.515*		*mg/Kg wet*	*1.0000*		*51*	*30-100*			

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County Lab Order: 10K0119

Semi-Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T004716 - SW 3550B BNA										
LCS (T004716-BS1)				Prepared: 11/10/2010 Analyzed: 11/11/2010						
Acenaphthene	0.619	0.333	mg/Kg wet	0.66667		93	30-140			
4-Chloro-3-methylphenol	0.699	0.666	mg/Kg wet	0.66667		105	30-180			
2-Chlorophenol	0.587	0.333	mg/Kg wet	0.66667		88	35-150			
1,4-Dichlorobenzene	0.562	0.333	mg/Kg wet	0.66667		84	30-105			
2,4-Dinitrotoluene	0.730	0.188	mg/Kg wet	0.66667		109	35-130			
4-Nitrophenol	0.513	1.66	mg/Kg wet	0.66667		77	30-150			
N-Nitroso-di-n-propylamine	0.636	0.00135	mg/Kg wet	0.66667		95	40-130			
Pentachlorophenol	0.670	0.0225	mg/Kg wet	0.66667		100	40-190			
Phenol	0.622	0.333	mg/Kg wet	0.66667		93	30-190			
Pyrene	0.694	0.333	mg/Kg wet	0.66667		104	35-140			
1,2,4-Trichlorobenzene	0.612	0.333	mg/Kg wet	0.66667		92	40-115			
Surrogate: 2-Fluorobiphenyl	*0.639*		*mg/Kg wet*	*0.66667*		*96*	*40-120*			
Surrogate: 2-Fluorophenol	*0.565*		*mg/Kg wet*	*1.0000*		*56*	*20-115*			
Surrogate: Nitrobenzene-d5	*0.606*		*mg/Kg wet*	*0.66667*		*91*	*45-135*			
Surrogate: Phenol-d6	*0.611*		*mg/Kg wet*	*1.0000*		*61*	*20-100*			
Surrogate: 4-Terphenyl-d14	*0.553*		*mg/Kg wet*	*0.66667*		*83*	*60-130*			
Surrogate: 2,4,6-Tribromophenol	*0.607*		*mg/Kg wet*	*1.0000*		*61*	*30-100*			
Matrix Spike (T004716-MS1)	Source: 10K0119-03			Prepared: 11/10/2010 Analyzed: 11/11/2010						
Acenaphthene	0.501	0.358	mg/Kg dry	0.71669	ND	70	30-140			
4-Chloro-3-methylphenol	1.17	0.716	mg/Kg dry	1.4334	ND	81	40-180			
2-Chlorophenol	1.10	0.358	mg/Kg dry	1.4334	ND	77	35-150			
1,4-Dichlorobenzene	0.465	0.358	mg/Kg dry	0.71669	ND	65	30-105			
2,4-Dinitrotoluene	0.373	0.202	mg/Kg dry	0.71669	ND	52	35-130			
4-Nitrophenol	1.00	1.79	mg/Kg dry	2.8667	ND	35	30-150			
N-Nitroso-di-n-propylamine	0.582	0.00145	mg/Kg dry	0.71669	ND	81	40-130			
Pentachlorophenol	1.22	0.0242	mg/Kg dry	1.4334	ND	85	40-190			
Phenol	1.11	0.358	mg/Kg dry	1.4334	ND	78	30-190			
Pyrene	0.555	0.358	mg/Kg dry	0.71669	ND	77	35-140			
1,2,4-Trichlorobenzene	0.531	0.358	mg/Kg dry	0.71669	ND	74	40-115			
Surrogate: 2-Fluorobiphenyl	*0.551*		*mg/Kg dry*	*0.71669*		*77*	*40-120*			
Surrogate: 2-Fluorophenol	*0.532*		*mg/Kg dry*	*1.0750*		*50*	*20-115*			
Surrogate: Nitrobenzene-d5	*0.539*		*mg/Kg dry*	*0.71669*		*75*	*45-135*			
Surrogate: Phenol-d6	*0.584*		*mg/Kg dry*	*1.0750*		*54*	*20-100*			
Surrogate: 4-Terphenyl-d14	*0.469*		*mg/Kg dry*	*0.71669*		*65*	*60-130*			
Surrogate: 2,4,6-Tribromophenol	*0.537*		*mg/Kg dry*	*1.0750*		*49*	*30-100*			

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County **Lab Order:** 10K0119

Semi-Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T004716 - SW 3550B BNA										
Matrix Spike Dup (T004716-MSD1)	Source: 10K0119-03			Prepared: 11/10/2010 Analyzed: 11/11/2010						
Acenaphthene	0.538	0.362	mg/Kg dry	0.72487	ND	74	30-140	7	20	
4-Chloro-3-methylphenol	1.23	0.724	mg/Kg dry	1.4497	ND	85	40-180	5	30	
2-Chlorophenol	1.18	0.362	mg/Kg dry	1.4497	ND	81	35-150	7	50	
1,4-Dichlorobenzene	0.483	0.362	mg/Kg dry	0.72487	ND	67	30-105	4	25	
2,4-Dinitrotoluene	0.433	0.204	mg/Kg dry	0.72487	ND	60	35-130	15	45	
4-Nitrophenol	1.08	1.81	mg/Kg dry	2.8995	ND	37	30-150	7	50	
N-Nitroso-di-n-propylamine	0.603	0.00147	mg/Kg dry	0.72487	ND	83	40-130	4	40	
Pentachlorophenol	1.31	0.0245	mg/Kg dry	1.4497	ND	91	40-190	7	50	
Phenol	1.16	0.362	mg/Kg dry	1.4497	ND	80	30-190	4	35	
Pyrene	0.560	0.362	mg/Kg dry	0.72487	ND	77	35-140	1	35	
1,2,4-Trichlorobenzene	0.561	0.362	mg/Kg dry	0.72487	ND	77	40-115	5	20	
Surrogate: 2-Fluorobiphenyl	*0.580*		*mg/Kg dry*	*0.72487*		*80*	*40-120*			
Surrogate: 2-Fluorophenol	*0.563*		*mg/Kg dry*	*1.0873*		*52*	*20-115*			
Surrogate: Nitrobenzene-d5	*0.569*		*mg/Kg dry*	*0.72487*		*79*	*45-135*			
Surrogate: Phenol-d6	*0.611*		*mg/Kg dry*	*1.0873*		*56*	*20-100*			
Surrogate: 4-Terphenyl-d14	*0.477*		*mg/Kg dry*	*0.72487*		*66*	*60-130*			
Surrogate: 2,4,6-Tribromophenol	*0.540*		*mg/Kg dry*	*1.0873*		*50*	*30-100*			

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County Lab Order: 10K0119

Polychlorinated Biphenyls by GC-ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T004714 - SW 3550B PCB										
Blank (T004714-BLK1)				Prepared & Analyzed: 11/10/2010						
Aroclor 1016	U	0.0330	mg/Kg wet							
Aroclor 1221	U	0.0330	mg/Kg wet							
Aroclor 1232	U	0.0330	mg/Kg wet							
Aroclor 1242	U	0.0330	mg/Kg wet							
Aroclor 1248	U	0.0330	mg/Kg wet							
Aroclor 1254	U	0.0330	mg/Kg wet							
Aroclor 1260	U	0.0330	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.0675*		*mg/Kg wet*	*0.066667*		*101*	*60-140*			
Surrogate: Tetrachloro-m-xylene	*0.0608*		*mg/Kg wet*	*0.066667*		*91*	*60-140*			
LCS (T004714-BS1)				Prepared & Analyzed: 11/10/2010						
Aroclor 1016	0.793	0.0330	mg/Kg wet	0.66667		119	60-130			
Aroclor 1260	0.983	0.0330	mg/Kg wet	0.66667		148	70-130			S1
Surrogate: Decachlorobiphenyl	*0.0677*		*mg/Kg wet*	*0.066667*		*102*	*60-140*			
Surrogate: Tetrachloro-m-xylene	*0.0648*		*mg/Kg wet*	*0.066667*		*97*	*60-140*			
Matrix Spike (T004714-MS1)	Source: 10K0155-01			Prepared & Analyzed: 11/10/2010						
Aroclor 1016	1.02	0.0414	mg/Kg dry	0.83638	ND	122	60-130			
Aroclor 1260	1.15	0.0414	mg/Kg dry	0.83638	ND	138	70-130			S1
Surrogate: Decachlorobiphenyl	*0.0788*		*mg/Kg dry*	*0.083638*		*94*	*60-140*			
Surrogate: Tetrachloro-m-xylene	*0.0828*		*mg/Kg dry*	*0.083638*		*99*	*60-140*			
Matrix Spike Dup (T004714-MSD1)	Source: 10K0155-01			Prepared & Analyzed: 11/10/2010						
Aroclor 1016	1.02	0.0409	mg/Kg dry	0.82713	ND	124	60-130	0.1	20	
Aroclor 1260	1.17	0.0409	mg/Kg dry	0.82713	ND	141	70-130	1	20	S1
Surrogate: Decachlorobiphenyl	*0.0796*		*mg/Kg dry*	*0.082713*		*96*	*60-140*			
Surrogate: Tetrachloro-m-xylene	*0.0809*		*mg/Kg dry*	*0.082713*		*98*	*60-140*			

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County Lab Order: 10K0119

Metals by ICP-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T004670 - SW 3050B Metals										
Blank (T004670-BLK1)				Prepared: 11/08/2010 Analyzed: 11/09/2010						
Arsenic	U	0.250	mg/Kg wet							
Barium	U	0.250	mg/Kg wet							
Cadmium	U	0.250	mg/Kg wet							
Chromium	U	0.250	mg/Kg wet							
Lead	U	0.250	mg/Kg wet							
Mercury	U	0.0500	mg/Kg wet							
Selenium	U	0.250	mg/Kg wet							
Silver	U	0.250	mg/Kg wet							
LCS (T004670-BS1)				Prepared: 11/08/2010 Analyzed: 11/09/2010						
Arsenic	21.8	0.250	mg/Kg wet	25.000		87	80-120			
Barium	24.5	0.250	mg/Kg wet	25.000		98	80-120			
Cadmium	23.0	0.250	mg/Kg wet	25.000		92	80-120			
Chromium	24.9	0.250	mg/Kg wet	25.000		100	80-120			
Lead	24.4	0.250	mg/Kg wet	25.000		98	80-120			
Mercury	0.851	0.0500	mg/Kg wet	1.0000		85	80-120			
Selenium	20.7	0.250	mg/Kg wet	25.000		83	80-120			
Silver	2.52	0.250	mg/Kg wet	2.5000		101	80-120			

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County **Lab Order:** 10K0119

Conventional Chemistry Parameters - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T004719 - ASTM D2216 Moisture										
Blank (T004719-BLK1)				Prepared: 11/10/2010 Analyzed: 11/11/2010						
Percent Solids	U	0.0100	%							
Duplicate (T004719-DUP1)	Source: 10K0119-02			Prepared: 11/10/2010 Analyzed: 11/11/2010						
Percent Solids	88.3	0.0100	%		88.4			0.1	20	
Batch T004720 - SW 9045C pH										
Duplicate (T004720-DUP1)	Source: 10K0123-01			Prepared & Analyzed: 11/10/2010						
pH	7.85	0.0100	pH Units		7.87			0.3	15	
Batch T004766 - SW 3060A Chromium VI										
Blank (T004766-BLK1)				Prepared & Analyzed: 11/12/2010						
Hexavalent Chromium	U	7.50	mg/Kg wet							
LCS (T004766-BS1)				Prepared & Analyzed: 11/12/2010						
Hexavalent Chromium	43.5	7.50	mg/Kg wet	50.000		87	80-120			
LCS Dup (T004766-BSD1)				Prepared & Analyzed: 11/12/2010						
Hexavalent Chromium	42.5	7.50	mg/Kg wet	50.000		85	80-120	2	20	
Duplicate (T004766-DUP1)	Source: 10K0159-02			Prepared & Analyzed: 11/12/2010						
Hexavalent Chromium	U	15.7	mg/Kg dry		ND				20	
Matrix Spike (T004766-MS1)	Source: 10K0159-02			Prepared & Analyzed: 11/12/2010						
Hexavalent Chromium	U	14.1	mg/Kg dry	94.309	ND		80-120			S

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County Lab Order: 10K0119

Conventional Chemistry Parameters - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T004766 - SW 3060A Chromium VI										
Matrix Spike Dup (T004766-MSD1)	Source: 10K0159-02			Prepared & Analyzed: 11/12/2010						
Hexavalent Chromium	U	14.3	mg/Kg dry	95.115	ND		80-120		20	S

LABORATORY RESULTS

Client: Testing Service Corporation-RK
Project: Meridian Road 06-00400-00-RS / Winnebago County Lab Order: 10K0119

Notes and Definitions

SI	Analyte exceeds the laboratory control sample acceptance criteria, but there is no observable concentration in the sample.
S	Spike recovery outside acceptance limits.
R	RPD outside acceptance limits.
M	Reporting limit set to the MDL.
I	Matrix interference.
*	NELAC certified compound.
U	Analyte not detected (i.e. less than RL or MDL).

Chain of Custody Record

Central IL - 1210 Capital Airport Drive - Springfield, IL 62707-8490 - Phone (217) 753-1148 - Facsimile (217) 753-1152
Chicago Office - PO Box 2116 - Crystal Lake, IL 60039-2116 - Phone (847) 651-2604 - Facsimile (847) 458-9680
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Prairie Analytical Systems, INCORPORATED

Client	Testing Service Corporation
Address	2235 23rd Avenue
City, State, Zip Code	Rockford, Illinois 61104
Phone / Facsimile No.	815-394-2562 / 815-394-2566
Client Project	Meridian Road 06-00400-00-RS
Location	Winnebago County, Illinois
Sampler(s) / Phone	Larry Trybull-TSC / 815-509-4844
Turnaround Time	Standard [X] Rush [ ] Date Required: 11/16/10
P.O. # or Invoice To	L-76,073 TestingService Corp. Rockford
Contact Person	Jeff Martin

Analysis and/or method Requested

Sample Description	Sampling Date	Sampling Time	Matrix Code	Total # of Containers	Sample Comp	Sample Grab	Volatile Organic Compounds VOCs	Semi-Volatile Organic Compounds SVOCs	RCRA metals (total)	pH	Hexavalent Chromium & Polychlorinated biphenyls PCBs				Laboratory Comments
B-1, 0-20"	11/04/10	10:01 AM	S	2	x		1	1	1	1	1				
B-2, 0-20"	11/04/10	10:27 AM	S	2	x		1	1	1	1	1				
B-3, 0-20"	11/04/10	10:48 AM	S	2	x		1	1	1	1	1				
B-4,5+6, 0-20"	11/04/10	11:16 AM	S	2	x		1	1	1	1	1				
B7+8, 0-20"	11/04/10	12:32 PM	S	2	x		1	1	1	1	1				

Reporting: TACO ___ Resid ___ Ind/Comm; CALM ___ A ___ B ___ C; RISC ___ Resid ___ Indust

M = Matrix Code: A - Aqueous; DW - Drinking Water; GW - Groundwater; NA - Non-aqueous Liquid; S - Solids; O - Other (Specify)

Relinquished By	Date	Time	Received By	Date	Time	Method of Shipment
Jeff Martin-TSC	11-4-10	4:00pm		11-05-10	10:45	UPS

Special Instructions:

QC Level 1 ___ 2 ___ 3 ___ 4 ___

On Wet Ice Y / N

Proper Preservation Y / N

Temperature (°C) 2.4

Page ___ of ___

Copies: White - Client Yellow - PAS, Inc. Pink - Sampler

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION FOR INSURANCE

Effective: February 1, 2007
Revised: August 1, 2007

All references to Sections or Articles in this specification shall be construed to mean specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

The Contractor shall name the following entities as additional insured under the Contractor's general liability insurance policy in accordance with Article 107.27:

Winnebago County

The entities listed above and their officers, employees, and agents shall be indemnified and held harmless in accordance with Article 107.26.

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION FOR CONSTRUCTION AND MAINTENANCE SIGNS

Effective: January 1, 2004
Revised: June 1, 2007

All references to Sections or Articles in this specification shall be construed to mean a specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

701.14. Signs. Add the following paragraph to Article 701.14:

All warning signs shall have minimum dimensions of 1200 mm x 1200 mm (48" x 48") and have a black legend on a fluorescent orange reflectorized background, meeting, as a minimum, Type AP reflectivity requirements of Table 1091-2 in Article 1091.02.

ALKALI-SILICA REACTION FOR CAST-IN-PLACE CONCRETE (BDE)

Effective: August 1, 2007
Revised: January 1, 2009

Description. This special provision is intended to reduce the risk of a deleterious alkali-silica reaction in concrete exposed to humid or wet conditions. The special provision is not intended or adequate for concrete exposed to potassium acetate, potassium formate, sodium acetate or sodium formate. The special provision shall not apply to the dry environment (humidity less than 60 percent) found inside buildings for residential or commercial occupancy. The special provision shall also not apply to precast products or precast prestressed products.

Aggregate Expansion Values. Each coarse and fine aggregate will be tested by the Department for alkali reaction according to ASTM C 1260. The test will be performed with Type I or II cement having a total equivalent alkali content ($Na_2O + 0.658K_2O$) of 0.90 percent or greater. The Engineer will determine the assigned expansion value for each aggregate, and these values will be made available on the Department's Alkali-Silica Potential Reactivity Rating List. The Engineer may differentiate aggregate based on ledge, production method, gradation number, or other factors. An expansion value of 0.05 percent will be assigned to limestone or dolomite coarse aggregates and 0.03 percent to limestone or dolomite fine aggregates (manufactured stone sand); however the Department reserves the right to perform the ASTM C 1260 test.

Aggregate Groups. Each combination of aggregates used in a mixture will be assigned to an aggregate group. The point at which the coarse aggregate and fine aggregate expansion values intersect in the following table will determine the group.

AGGREGATE GROUPS			
Coarse Aggregate or Coarse Aggregate Blend ASTM C 1260 Expansion	Fine Aggregate or Fine Aggregate Blend ASTM C 1260 Expansion		
	≤ 0.16%	> 0.16% - 0.27%	> 0.27%
≤ 0.16%	Group I	Group II	Group III
> 0.16% - 0.27%	Group II	Group II	Group III
> 0.27%	Group III	Group III	Group IV

Mixture Options. Based upon the aggregate group, the following mixture options shall be used; however, the Department may prohibit a mixture option if field performance shows a deleterious alkali-silica reaction or Department testing indicates the mixture may experience a deleterious alkali-silica reaction.

Group I - Mixture options are not applicable. Use any cement or finely divided mineral.
Group II - Mixture options 1, 2, 3, 4, or 5 shall be used.
Group III - Mixture options 1, 2 and 3 combined, 4, or 5 shall be used.

Group IV - Mixture options 1, 2 and 4 combined, or 5 shall be used.

For Class PP-3 concrete the mixture options are not applicable, and any cement may be used with the specified finely divided minerals.

a) Mixture Option 1. The coarse or fine aggregates shall be blended to place the material in a group that will allow the selected cement or finely divided mineral to be used.

When a coarse or fine aggregate is blended, the weighted expansion value shall be calculated separately for the coarse and fine aggregate as follows:

Weighted Expansion Value = (a/100 x A) + (b/100 x B) + (c/100 x C) + ...

Where: a, b, c... = percentage of aggregate in the blend;
A, B, C...= expansion value for that aggregate.

b) Mixture Option 2. A finely divided mineral shall be used as described in 1), 2), 3), or 4) that follow. The replacement ratio is defined as "finely divided mineral:portland cement".

1) Class F Fly Ash. For Class PV, BS, MS, DS, SC, and SI concrete and cement aggregate mixture II (CAM II), Class F fly ash shall replace 15 percent of the portland cement at a minimum replacement ratio of 1.5:1.

2) Class C Fly Ash. For Class PV, MS, SC, and SI Concrete, Class C fly ash with 18 percent to less than 26.5 percent calcium oxide content, and less than 2.0 percent loss on ignition, shall replace 20 percent of the portland cement at a minimum replacement ratio of 1:1; or at a minimum replacement ratio of 1.25:1 if the loss on ignition is 2.0 percent or greater. Class C fly ash with less than 18 percent calcium oxide content shall replace 20 percent of the portland cement at a minimum replacement ratio of 1.25:1.

For Class PP-1, RR, BS, and DS concrete and CAM II, Class C fly ash with less than 26.5 percent calcium oxide content shall replace 15 percent of the portland cement at a minimum replacement ratio of 1.5:1.

3) Ground Granulated Blast-Furnace Slag. For Class PV, BS, MS, SI, DS, and SC concrete, ground granulated blast-furnace slag shall replace 25 percent of the portland cement at a minimum replacement ratio of 1:1.

For Class PP-1 and RR concrete, ground granulated blast-furnace slag shall replace 15 percent of the portland cement at a minimum replacement ratio of 1.5:1.

For Class PP-2, ground granulated blast-furnace slag shall replace 25 to 30 percent of the portland cement at a minimum replacement ratio of 1:1.

4) Microsilica or High Reactivity Metakaolin. Microsilica solids or high reactivity metakaolin shall be added to the mixture at a minimum 25 lb/cu yd (15 kg/cu m) or 27 lb/cu yd (16 kg/cu m) respectively.

c) Mixture Option 3. The cement used shall have a maximum total equivalent alkali content ($Na_2O + 0.658K_2O$) of 0.60 percent. When aggregate in Group II is involved, any finely divided mineral may be used with a portland cement.

d) Mixture Option 4. The cement used shall have a maximum total equivalent alkali content ($Na_2O + 0.658K_2O$) of 0.45 percent. When aggregate in Group II or III is involved, any finely divided mineral may be used with a portland cement.

e) Mixture Option 5. The proposed cement or finely divided mineral may be used if the ASTM C 1567 expansion value is ≤ 0.16 percent when performed on the aggregate in the concrete mixture with the highest ASTM C 1260 test result. The ASTM C 1567 test will be valid for two years, unless the Engineer determines the materials have changed significantly. For latex concrete, the ASTM C 1567 test shall be performed without the latex. The 0.20 percent autoclave expansion limit in ASTM C 1567 shall not apply.

   If during the two year time period the Contractor needs to replace the cement, and the replacement cement has an equal or lower total equivalent alkali content ($Na_2O + 0.658K_2O$), a new ASTM C 1567 test will not be required.

Testing. If an individual aggregate has an ASTM C 1260 expansion value > 0.16 percent, an ASTM C 1293 test may be performed by the Contractor to evaluate the Department's ASTM C 1260 test result. The ASTM C 1293 test shall be performed with Type I or II cement having a total equivalent alkali content ($Na_2O + 0.658K_2O$) of 0.80 percent or greater. The interior vertical wall of the ASTM C 1293 recommended container (pail) shall be half covered with a wick of absorbent material consisting of blotting paper. If the testing laboratory desires to use an alternate container or wick of absorbent material, ASTM C 1293 test results with an alkali-reactive aggregate of known expansion characteristics shall be provided to the Engineer for review and approval. If the expansion is less than 0.040 percent after one year, the aggregate will be assigned an ASTM C 1260 expansion value of 0.08 percent that will be valid for two years, unless the Engineer determines the aggregate has changed significantly.

The Engineer reserves the right to verify a Contractor's ASTM C 1293 or 1567 test result. The Engineer will not accept the result if the precision and bias for the test methods are not met.

The laboratory performing the ASTM C 1567 test shall either be accredited by the AASHTO Materials Reference Laboratory (AMRL) for ASTM C 227 under Portland Cement Concrete or Aggregate; or shall be inspected for Hydraulic Cement - Physical Tests by the Cement and Concrete Reference Laboratory (CCRL) and shall be approved by the Department. The laboratory performing the ASTM C 1293 test shall be inspected for Portland Cement Concrete by CCRL and shall be approved by the Department.

80186

ALKALI-SILICA REACTION FOR PRECAST AND PRECAST PRESTRESSED CONCRETE (BDE)

Effective: January 1, 2009

Description. This special provision is intended to reduce the risk of a deleterious alkali-silica reaction in precast and precast prestressed concrete exposed to humid or wet conditions. The special provision is not intended or adequate for concrete exposed to potassium acetate, potassium formate, sodium acetate or sodium formate. The special provision shall not apply to the dry environment (humidity less than 60 percent) found inside buildings for residential or commercial occupancy. The special provision shall also not apply to cast-in-place concrete.

Aggregate Expansion Values. Each coarse and fine aggregate will be tested by the Department for alkali reaction according to ASTM C 1260. The test will be performed with Type I or II cement having a total equivalent alkali content ($Na_2O + 0.658K_2O$) of 0.90 percent or greater. The Engineer will determine the assigned expansion value for each aggregate, and these values will be made available on the Department's Alkali-Silica Potential Reactivity Rating List. The Engineer may differentiate aggregate based on ledge, production method, gradation number, or other factors. An expansion value of 0.05 percent will be assigned to limestone or dolomite coarse aggregates and 0.03 percent to limestone or dolomite fine aggregates (manufactured stone sand); however the Department reserves the right to perform the ASTM C 1260 test.

Aggregate Groups. Each combination of aggregates used in a mixture will be assigned to an aggregate group. The point at which the coarse aggregate and fine aggregate expansion values intersect in the following table will determine the group.

AGGREGATE GROUPS			
Coarse Aggregate or Coarse Aggregate Blend ASTM C 1260 Expansion	Fine Aggregate or Fine Aggregate Blend ASTM C 1260 Expansion		
	≤ 0.16%	> 0.16% - 0.27%	> 0.27%
≤ 0.16%	Group I	Group II	Group III
> 0.16% - 0.27%	Group II	Group II	Group III
> 0.27%	Group III	Group III	Group IV

Mixture Options. Based upon the aggregate group, the following mixture options shall be used; however, the Department may prohibit a mixture option if field performance shows a deleterious alkali-silica reaction or Department testing indicates the mixture may experience a deleterious alkali-silica reaction.

Group I - Mixture options are not applicable. Use any cement or finely divided mineral.
Group II - Mixture options 1, 2, 3, 4, or 5 shall be used.
Group III - Mixture options 1, 2 and 3 combined, 4, or 5 shall be used.

Group IV - Mixture options 1, 2 and 4 combined, or 5 shall be used.

a) Mixture Option 1. The coarse or fine aggregates shall be blended to place the material in a group that will allow the selected cement or finely divided mineral to be used.

When a coarse or fine aggregate is blended, the weighted expansion value shall be calculated separately for the coarse and fine aggregate as follows:

Weighted Expansion Value = (a/100 x A) + (b/100 x B) + (c/100 x C) + ...

Where: a, b, c... = percentage of aggregate in the blend;
A, B, C...= expansion value for that aggregate.

b) Mixture Option 2. A finely divided mineral shall be used as described in 1), 2), 3), or 4) that follow. The replacement ratio is defined as "finely divided mineral:portland cement".

1) Class F Fly Ash. For Class PC concrete, precast products, and PS concrete, Class F fly ash shall replace 15 percent of the portland cement at a minimum replacement ratio of 1.5:1.

2) Class C Fly Ash. For Class PC Concrete, precast products, and Class PS concrete, Class C fly ash with 18 percent to less than 26.5 percent calcium oxide content, and less than 2.0 percent loss on ignition, shall replace 20 percent of the portland cement at a minimum replacement ratio of 1:1; or at a minimum replacement ratio of 1.25:1 if the loss on ignition is 2.0 percent or greater. Class C fly ash with less than 18 percent calcium oxide content shall replace 20 percent of the portland cement at a minimum replacement ratio of 1.25:1.

3) Ground Granulated Blast-Furnace Slag. For Class PC concrete, precast products, and Class PS concrete, ground granulated blast-furnace slag shall replace 25 percent of the portland cement at a minimum replacement ratio of 1:1.

4) Microsilica or High Reactivity Metakaolin. Microsilica solids or high reactivity metakaolin shall be added to the mixture at a minimum 25 lb/cu yd (15 kg/cu m) or 27 lb/cu yd (16 kg/cu m) respectively.

c) Mixture Option 3. The cement used shall have a maximum total equivalent alkali content ($Na_2O + 0.658K_2O$) of 0.60 percent. When aggregate in Group II is involved, any finely divided mineral may be used with a portland cement.

d) Mixture Option 4. The cement used shall have a maximum total equivalent alkali content ($Na_2O + 0.658K_2O$) of 0.45 percent. When aggregate in Group II or III is involved, any finely divided mineral may be used with a portland cement.

e) Mixture Option 5. The proposed cement or finely divided mineral may be used if the ASTM C 1567 expansion value is ≤ 0.16 percent when performed on the aggregate in

the concrete mixture with the highest ASTM C 1260 test result. The ASTM C 1567 test will be valid for two years, unless the Engineer determines the materials have changed significantly. The 0.20 percent autoclave expansion limit in ASTM C 1567 shall not apply.

If during the two year time period the Contractor needs to replace the cement, and the replacement cement has an equal or lower total equivalent alkali content ($Na_2O + 0.658K_2O$), a new ASTM C 1567 test will not be required.

Testing. If an individual aggregate has an ASTM C 1260 expansion value > 0.16 percent, an ASTM C 1293 test may be performed by the Contractor to evaluate the Department's ASTM C 1260 test result. The ASTM C 1293 test shall be performed with Type I or II cement having a total equivalent alkali content ($Na_2O + 0.658K_2O$) of 0.80 percent or greater. The interior vertical wall of the ASTM C 1293 recommended container (pail) shall be half covered with a wick of absorbent material consisting of blotting paper. If the testing laboratory desires to use an alternate container or wick of absorbent material, ASTM C 1293 test results with an alkali-reactive aggregate of known expansion characteristics shall be provided to the Engineer for review and approval. If the expansion is less than 0.040 percent after one year, the aggregate will be assigned an ASTM C 1260 expansion value of 0.08 percent that will be valid for two years, unless the Engineer determines the aggregate has changed significantly.

The Engineer reserves the right to verify a Contractor's ASTM C 1293 or 1567 test result. The Engineer will not accept the result if the precision and bias for the test methods are not met.

The laboratory performing the ASTM C 1567 test shall either be accredited by the AASHTO Materials Reference Laboratory (AMRL) for ASTM C 227 under Portland Cement or Aggregate; or shall be inspected for Hydraulic Cement - Physical Tests by the Cement and Concrete Reference Laboratory (CCRL) and shall be approved by the Department. The laboratory performing the ASTM C 1293 test shall be inspected for Portland Cement Concrete by CCRL and shall be approved by the Department.

80213

APPROVAL OF PROPOSED BORROW AREAS, USE AREAS, AND/OR WASTE AREAS (BDE)

Effective: November 1, 2008
Revised: November 1, 2010

Replace the first paragraph of Article 107.22 of the Standard Specifications with the following:

"All proposed borrow areas, including commercial borrow areas; use areas, including, but not limited to temporary access roads, detours, runarounds, plant sites, and staging and storage areas; and/or waste areas are to be designated by the Contractor to the Engineer and approved prior to their use. Such areas outside the State of Illinois shall be evaluated, at no additional cost to the Department, according to the requirements of the state in which the area lies; and approval by the authority within that state having jurisdiction for such areas shall be forwarded to the Engineer. Such areas within Illinois shall be evaluated as described herein.

A location map delineating the proposed borrow area, use area, and/or waste area shall be submitted to the Engineer for approval along with an agreement from the property owner granting the Department permission to enter the property and conduct cultural and biological resource reconnaissance surveys of the site for archaeological resources, threatened or endangered species or their designated essential habitat, wetlands, prairies, and savannahs. The type of location map submitted shall be a topographic map, a plat map, or a 7.5 minute quadrangle map. Submittals shall include the intended use of the site and provide sufficient detail for the Engineer to determine the extent of impacts to the site. The Engineer will initiate cultural and biological resource reconnaissance surveys of the site, as necessary, at no cost to the Contractor. The Engineer will advise the Contractor of the expected time required to complete all surveys. If the proposed area is within 150 ft (45 m) of the highway right-of-way, a topographic map of the proposed site will be required as specified in Article 204.02."

80207

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.

80192

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_P = Bituminous Price Index, as published by the Department for the month the work is performed, $/ton ($/metric ton).
BPI_L = Bituminous Price Index, as published by the Department for the month prior to the letting, $/ton ($/metric ton).
$\%AC_V$ = Percent of virgin Asphalt Cement in the Quantity being adjusted. For HMA mixtures, the % AC_V will be determined from the adjusted job mix formula. For bituminous materials applied, a performance graded or cutback asphalt will be considered to be 100% AC_V and undiluted emulsified asphalt will be considered to be 65% AC_V.
Q = Authorized construction Quantity, tons (metric tons) (see below).

For HMA mixtures measured in square yards: Q, tons = $A \times D \times (G_{mb} \times 46.8) / 2000$. For HMA mixtures measured in square meters: Q, 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_V.

For bituminous materials measured in gallons: Q, tons = V x 8.33 lb/gal x SG / 2000
For bituminous materials measured in liters: Q, metric tons = V x 1.0 kg/L x SG / 1000

Where: A = Area of the HMA mixture, sq yd (sq m).
D = Depth of the HMA mixture, in. (mm).
G_{mb} = 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_L and BPI_P in excess of five percent, as calculated by:

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:** _____

80173

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."

80166

CERTIFICATION OF METAL FABRICATOR (BDE)

Effective: July 1, 2010

Revise Article 106.08 of the Standard Specifications to read:

"**106.08 Certification of Metal Fabricator.** All fabricators performing work on metal components of structures shall be certified under the appropriate category of the AISC Quality Certification Program as follows.

(a) Fabricators of the main load carrying steel components of welded plate girder, box girder, truss, and arch structures shall be certified under Category MBr (Major Steel Bridges).

(b) Fabricators of the main load carrying steel components of rolled beam structures, either simple span or continuous, and overhead sign structures shall be certified under Category SBr (Simple Steel Bridges).

Fabricators of steel or other non-ferrous metal components of structures not certified under (a) or (b) above shall be certified under the program for Bridge and Highway Metal Component Manufacturers."

80260

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 overlay 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 and independent lab. All other information in ASTM C 1582 shall be from and 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."

80094

CONCRETE MIX DESIGNS (BDE)

Effective: April 1, 2009

Add the following to Article 1020.05(c) of the Standard Specifications:

"(5) Performance Based Finely Divided Mineral Combination. For Class PV and SI concrete a performance based finely divided mineral combination may be used. The minimum cement factor, maximum cement factor, and water cement ratio of Article 1020.04 shall be replaced with the values below, and the performance based finely divided mineral combination herein is an alternative to Articles 1020.05(c)(1), (c)(2), (c)(3), and (c)(4). The mix design shall meet the following requirements and the Engineer may request a trial batch.

a. The mixture shall contain a minimum of 375 lbs/cu yd (222 kg/cu m) of portland cement. For a blended cement, a sufficient amount shall be used to obtain the required 375 lbs/cu yd (222 kg/cu m) of portland cement in the mixture. For example, a blended cement stated to have 20 percent finely divided mineral, ignoring any ASTM C 595 tolerance on the 20 percent, would require a minimum of 469 lbs/cu yd (278 kg/cu m) of material in the mixture. When the mixture is designed for cement content from 375 lbs/cu yd (222 kg/cu m) to 400 lbs/cu yd (237 kg/cu m), the total of organic processing additions, inorganic processing additions, and limestone addition in the cement shall not exceed 5.0 percent.

b. The mixture shall contain a maximum of two finely divided minerals. The finely divided mineral in a blended cement shall count toward the total number of finely divided minerals allowed. The finely divided mineral(s) shall constitute a maximum of 35.0 percent of the total cement plus finely divided mineral(s). The fly ash portion shall not exceed 30.0 percent for Class C fly ash or 25.0 percent for Class F fly ash. The Class C and F fly ash combination shall not exceed 30.0 percent. The ground granulated blast-furnace slag portion shall not exceed 35.0 percent. The microsilica or high-reactivity metakaolin portion used together or separately shall not exceed 5.0 percent. The finely divided mineral in the blended cement shall apply to the maximum 35.0 percent, and shall be determined as discussed in a. above for determining portland cement in blended cement.

c. For central mixed Class PV and SI concrete, the mixture shall contain a minimum of 535 lbs/cu yd (320 kg/cu m) of cement and finely divided mineral(s) summed together, and a water-reducing admixture shall be used. The value shall be 565 lbs/cu yd (335 kg/cu m) without a water-reducing admixture.

For truck mixed or shrink mixed Class PV and SI concrete, the mixture shall contain a minimum of 575 lbs/cu yd (345 kg/cu m) of cement and finely

divided mineral(s) summed together, and a water-reducing admixture shall be used. The value shall be 605 lbs/cu yd (360 kg/cu m) without a water-reducing admixture.

d. The mixture shall contain a maximum of 705 lbs/cu yd (418 kg/cu m) of cement and finely divided mineral(s) summed together.

e. The mixture shall have a water/cement ratio of 0.32 – 0.44.

f. The mixture shall not be used for placement underwater.

g. The combination of cement and finely divided mineral(s) shall have an ASTM C 1567 expansion value ≤ 0.16 percent, and shall be performed on the aggregate in the concrete mixture with the highest ASTM C 1260 test result. The ASTM C 1567 test will be valid for two years, unless the Engineer determines the materials have changed significantly.

   If during the two year time period the Contractor needs to replace the portland cement, and the replacement portland cement has an equal or lower total equivalent alkali content ($Na_2O + 0.658K_2O$), a new ASTM C 1567 test will not be required. However, replacement of a blended cement with another cement will require a new ASTM C 1567 test."

80226

CONSTRUCTION AIR QUALITY - DIESEL VEHICLE EMISSIONS CONTROL (BDE)

Effective: April 1, 2009
Revised: July 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).

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.

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.

80237

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.

80239

DETERMINATION OF THICKNESS (BDE)

Effective: April 1, 2009

Revise Articles 353.12 and 353.13 of the Standard Specifications to Articles 353.13 and 353.14 respectively.

Add the following Article to the Standard Specifications:

"**353.12 Tolerance in Thickness.** The thickness of base course pay items that individually contain at least 1000 sq yd (840 sq m) of contiguous area, except for temporary construction, bike paths, and individual locations less than 500 ft (150 m) long, will be evaluated. Temporary construction is defined as those areas constructed and removed under the same contract. If the base course cannot be cored for thickness prior to placement of the cover layer(s), the Engineer will determine the thickness of the cover layer(s), and subtract them from the measured core thickness to determine the base course thickness.

The procedure described in Article 407.10(b) will be followed, except the option of correcting deficient pavement with additional lift(s) shall not apply."

Revise Article 354.09 of the Standard Specifications to read:

"**354.09 Tolerance in Thickness.** The thickness of base course widening pay items that individually contain at least 1000 sq yd (840 sq m) of contiguous area, except for temporary construction; bike paths and individual locations less than 3 ft (1 m) wide or 1000 ft (300 m) long, will be evaluated. Temporary construction is defined as those areas constructed and removed under the same contract. If the base course widening cannot be cored for thickness prior to placement of the cover layer(s), the Engineer will determine the thickness of the cover layer(s), and subtract them from the measured core thickness to determine the base course widening thickness.

The procedure described in Article 407.10(b) will be followed, except:

(a) The width of a unit shall be the width of the widening along one edge of the pavement.

(b) The length of the unit shall be 1000 ft (300 m).

(c) The option of correcting deficient pavement with additional lift(s) shall not apply."

Revise Article 355.09 of the Standard Specifications to read:

"**355.09 Tolerance in Thickness.** The thickness of HMA base course pay items that individually contain at least 1000 sq yd (840 sq m) of contiguous area, except for temporary construction; bike paths and individual locations less than 500 ft (150 m) long, will be evaluated according to Article 407.10(b). Temporary construction is defined as those areas constructed and removed under the same contract. If the base course cannot be cored for thickness prior to

placement of the cover layer(s), the Engineer will determine the thickness of the cover layer(s), and subtract them from the measured core thickness to determine the base course thickness."

Revise Article 356.07 of the Standard Specifications to read:

"**356.07 Tolerance in Thickness.** The thickness of HMA base course widening pay items that individually contain at least 1000 sq yd (840 sq m) of contiguous area, except for temporary construction; bike paths and individual locations less than 3 ft (1 m) wide or 1000 ft (300 m) long, will be evaluated according to Article 407.10(b) except, the width of a unit shall be the width of the widening along one edge of the pavement and the length of a unit shall be 1000 ft (300 m). Temporary locations are defined as those constructed and removed under the same contract. If the base course widening cannot be cored for thickness prior to placement of the cover layer(s), the Engineer will determine the thickness of the cover layer(s)and subtract them from the measured core thickness to determine the base course widening thickness."

Revise Article 407.10 of the Standard Specifications to read:

"**407.10 Tolerance in Thickness.** Determination of pavement thickness shall be performed after the pavement surface tests and corrective action have been completed according to Article 407.09. Pay adjustments made for pavement thickness will be in addition to and independent of those made for pavement smoothness. Pavement pay items that individually contain at least 1000 sq yd (840 sq m) of contiguous pavement shall be evaluated with the following exclusions: temporary pavements; variable width pavements; radius returns; short lengths of contiguous pavements less than 500 ft (125 m) in length; and constant width portions of turn lanes less than 500 ft (125 m) in length. Temporary pavements are defined as pavements constructed and removed under the same contract.

The method described in Article 407.10(a), shall be used except for those pavements constructed in areas where access to side streets and entrances necessitates construction in segments less than 1000 ft (300 m). The method described in Article 407.10(b) shall be used in areas where access to side streets and entrances necessitates construction in segments less than 1000 ft (300 m).

(a) Percent Within Limits. The percent within limits (PWL) method shall be as follows.

(1) Lots and Sublots. The pavement will be divided into approximately equal lots of not more than 5000 ft (1500 m) in length. When the length of a continuous strip of pavement is 500 ft (150 m) or greater but less than 5000 ft (1500 m), these short lengths of pavement, ramps, turn lanes, and other short sections of continuous pavement will be grouped together to form lots approximately 5000 ft (1500 m) in length. Short segments between structures will be measured continuously with the structure segments omitted. Each lot will be subdivided into ten equal sublots. The width of a sublot and lot will be the width from the pavement edge to the adjacent lane line, from one lane line to the next, or between pavement edges for single-lane pavements.

(2) Cores. Cores 2 in. (50 mm) in diameter shall be taken from the pavement by the Contractor, at locations selected by the Engineer. The exact location for each core will be selected at random, but will result in one core per sublot. Core locations will be specified prior to beginning the coring operations.

The Contractor and the Engineer shall witness the coring operations, as well as the measuring and recording of the core lengths. The cores will be measured with a device supplied by the Department immediately upon removal from the core bit and prior to moving to the next core location. Upon concurrence of the length, the core samples shall be disposed of according to Article 202.03.

Upon completion of each core, all water shall be removed from the hole and the hole then filled with a rapid hardening mortar or concrete. The material shall be mixed in a separate container, placed in the hole, consolidated by rodding, and struck-off flush with the adjacent pavement.

(3) Deficient Sublot. When the length of the core in a sublot is deficient by more than ten percent of plan thickness, the Contractor may take three additional cores within that sublot at locations selected at random by the Engineer. If the Contractor chooses not to take additional cores, the pavement in that sublot shall be removed and replaced.

When the three additional cores are taken, the length of those cores will be averaged with the original core length. If the average shows the sublot to be deficient by ten percent or less, no additional action is necessary. If the average shows the sublot to be deficient by more than ten percent, the pavement in that sublot shall be removed and replaced; however, when requested in writing by the Contractor, the Engineer may permit in writing such deficient sublots to remain in place. For deficient sublots allowed to remain in place, additional lift(s) may be placed, at no additional cost to the Department, to bring the deficient pavement to plan thickness when the Engineer determines grade control conditions will permit such lift(s). The area(s) to be overlaid, material to be used, thickness(es) of the lift(s), and method of placement will be approved by the Engineer.

When a deficient sublot is removed and replaced, or additional lifts are placed, the corrected sublot shall be retested for thickness. The length of the new core taken in the sublot will be used in determining the PWL for the lot.

When a deficient sublot is left in place, and no additional lift(s) are placed, no payment will be made for the deficient sublot. The length of the original core taken in the sublot will be used in determining the PWL for the lot.

(4) Deficient Lot. After addressing deficient sublots, the PWL for each lot will be determined. When the PWL of a lot is 60 percent or less, the pavement in that lot shall be removed and replaced; however, when requested in writing by the Contractor, the Engineer may permit in writing such deficient lots to remain in place.

For deficient lots allowed to remain in place, additional lift(s) may be placed, at no additional cost to the Department, to bring the deficient pavement to plan thickness when the Engineer determines grade control conditions will permit such lift(s). The area(s) to be overlaid, material to be used, thickness(es) of the lift(s), and method of placement will be approved by the Engineer.

When a deficient lot is removed and replaced, or additional lifts are placed, the corrected lot shall be retested for thickness. The PWL for the lot will then be recalculated based upon the new cores; however, the pay factor for the lot shall be a maximum of 100 percent.

When a deficient lot is left in place, and no additional lift(s) are placed, the PWL for the lot will not be recalculated.

(5) Right of Discovery. When the Engineer has reason to believe the random core selection process will not accurately represent the true conditions of the work, he/she may order additional cores. The additional cores shall be taken at specific locations determined by the Engineer. The Engineer will provide notice to the Contractor containing an explanation of the reasons for his/her action. The need for, and location of, additional cores will be determined prior to commencement of coring operations.

When the additional cores show the pavement to be deficient by more than ten percent of plan thickness, more additional cores shall be taken to determine the limits of the deficient pavement and that area shall be removed and replaced; however, when requested in writing by the Contractor, the Engineer may permit in writing such areas of deficient pavement to remain in place. The area of deficient pavement will be defined using the length between two acceptable cores and the full width of the sublot. An acceptable core is a core with a length of at least 90 percent of plan thickness.

For deficient areas allowed to remain in place, additional lift(s) may be placed, at no additional cost to the Department, to bring the deficient pavement to plan thickness when the Engineer determines grade control conditions will permit such lift(s). The area(s) to be overlaid, material to be used, thickness(es) of the lift(s), and method of placement will be approved by the Engineer.

When an area of deficient pavement is removed and replaced, or additional lifts are placed, the corrected pavement shall be retested for thickness.

When an area of deficient pavement is left in place, and no additional lift(s) are placed, no payment will be made for the deficient pavement.

When the additional cores show the pavement to be at least 90 percent of plan thickness, the additional cores will be paid for according to Article 109.04.

(6) Profile Index Adjustment. After any area of pavement is removed and replaced or any additional lifts are placed, the corrected areas shall be retested for pavement smoothness and any necessary profile index adjustments and/or corrections will be made based on these final profile readings prior to retesting for thickness.

(7) Determination of PWL. The PWL for each lot will be determined as follows.

Definitions:

x_i = Individual values (core lengths) under consideration
n = Number of individual values under consideration (10 per lot)
$\bar{x}$ = Average of the values under consideration
LSL = Lower Specification Limit (98% of plan thickness)
Q_L = Lower Quality Index
S = Sample Standard Deviation
PWL = Percent Within Limits

Determine $\bar{x}$ for the lot to the nearest two decimal places.

Determine S for the lot to the nearest three decimal places using:

$$S = \sqrt{\frac{\Sigma(x_i - \bar{x})^2}{n-1}} \quad \text{where} \quad \Sigma(x_i - \bar{x})^2 = (x_1 - \bar{x})^2 + (x_2 - \bar{x})^2 + \ldots\ldots + (x_{10} - \bar{x})^2$$

Determine Q_L for the lot to the nearest two decimal places using:

$$Q_L = \frac{(\bar{x} - LSL)}{S}$$

Determine PWL for the lot using the Q_L and the following table. For Q_L values less than zero the value shown in the table must be subtracted from 100 to obtain PWL.

(8) Pay Factors. The pay factor (PF) for each lot will be determined, to the nearest two decimal places, using:

PF (in percent) = 55 + 0.5 (PWL)

If $\bar{x}$ for a lot is less than the plan thickness, the maximum PF for that lot shall be 100 percent.

(9) Payment. Payment of incentive or disincentive for pay items subject to the PWL method will be calculated using:

Payment = (((TPF/100)-1) x CUP) x (TOTPAVT - DEFPAVT)

TPF = Total Pay Factor

CUP = Contract Unit Price
TOTPAVT = Area of Pavement Subject to Coring
DEFPAVT = Area of Deficient Pavement

The TPF for the pavement shall be the average of the PF for all the lots; however, the TPF shall not exceed 102 percent.

Area of Deficient pavement (DEFPAVT) is defined as an area of pavement represented by a sublot deficient by more than ten percent which is left in place with no additional thickness added.

Area of Pavement Subject to Coring (TOTPAVT) is defined as those pavement areas included in lots for pavement thickness determination.

PERCENT WITHIN LIMITS							
Quality Index (Q_L)*	Percent Within Limits (PWL)	Quality Index (Q_L)*	Percent Within Limits (PWL)	Quality Index (Q_L)*	Percent Within Limits (PWL)	Quality Index (Q_L)*	Percent Within Limits (PWL)
0.00	50.00	0.40	65.07	0.80	78.43	1.20	88.76
0.01	50.38	0.41	65.43	0.81	78.72	1.21	88.97
0.02	50.77	0.42	65.79	0.82	79.02	1.22	89.17
0.03	51.15	0.43	66.15	0.83	79.31	1.23	89.38
0.04	51.54	0.44	66.51	0.84	79.61	1.24	89.58
0.05	51.92	0.45	66.87	0.85	79.90	1.25	89.79
0.06	52.30	0.46	67.22	0.86	80.19	1.26	89.99
0.07	52.69	0.47	67.57	0.87	80.47	1.27	90.19
0.08	53.07	0.48	67.93	0.88	80.76	1.28	90.38
0.09	53.46	0.49	68.28	0.89	81.04	1.29	90.58
0.10	53.84	0.50	68.63	0.90	81.33	1.30	90.78
0.11	54.22	0.51	68.98	0.91	81.61	1.31	90.96
0.12	54.60	0.52	69.32	0.92	81.88	1.32	91.15
0.13	54.99	0.53	69.67	0.93	82.16	1.33	91.33
0.14	55.37	0.54	70.01	0.94	82.43	1.34	91.52
0.15	55.75	0.55	70.36	0.95	82.71	1.35	91.70
0.16	56.13	0.56	70.70	0.96	82.97	1.36	91.87
0.17	56.51	0.57	71.04	0.97	83.24	1.37	92.04
0.18	56.89	0.58	71.38	0.98	83.50	1.38	92.22
0.19	57.27	0.59	71.72	0.99	83.77	1.39	92.39
0.20	57.65	0.60	72.06	1.00	84.03	1.40	92.56
0.21	58.03	0.61	72.39	1.01	84.28	1.41	92.72
0.22	58.40	0.62	72.72	1.02	84.53	1.42	92.88
0.23	58.78	0.63	73.06	1.03	84.79	1.43	93.05
0.24	59.15	0.64	73.39	1.04	85.04	1.44	93.21
0.25	59.53	0.65	73.72	1.05	85.29	1.45	93.37
0.26	59.90	0.66	74.04	1.06	85.53	1.46	93.52
0.27	60.28	0.67	74.36	1.07	85.77	1.47	93.67
0.28	60.65	0.68	74.69	1.08	86.02	1.48	93.83
0.29	61.03	0.69	75.01	1.09	86.26	1.49	93.98
0.30	61.40	0.70	75.33	1.10	86.50	1.50	94.13
0.31	61.77	0.71	75.64	1.11	86.73	1.51	94.27
0.32	62.14	0.72	75.96	1.12	86.96	1.52	94.41
0.33	62.51	0.73	76.27	1.13	87.20	1.53	94.54
0.34	62.88	0.74	76.59	1.14	87.43	1.54	94.68
0.35	63.25	0.75	76.90	1.15	87.66	1.55	94.82
0.36	63.61	0.76	77.21	1.16	87.88	1.56	94.95
0.37	63.98	0.77	77.51	1.17	88.10	1.57	95.08
0.38	64.34	0.78	77.82	1.18	88.32	1.58	95.20
0.39	64.71	0.79	78.12	1.19	88.54	1.59	95.33

*For Q_L values less than zero, subtract the table value from 100 to obtain PWL

PERCENT WITHIN LIMITS (continued)					
Quality Index (Q_L)*	Percent Within Limits (PWL)	Quality Index (Q_L)*	Percent Within Limits (PWL)	Quality Index (Q_L)*	Percent Within Limits (PWL)
1.60	95.46	2.00	98.83	2.40	99.89
1.61	95.58	2.01	98.88	2.41	99.90
1.62	95.70	2.02	98.92	2.42	99.91
1.63	95.81	2.03	98.97	2.43	99.91
1.64	95.93	2.04	99.01	2.44	99.92
1.65	96.05	2.05	99.06	2.45	99.93
1.66	96.16	2.06	99.10	2.46	99.94
1.67	96.27	2.07	99.14	2.47	99.94
1.68	96.37	2.08	99.18	2.48	99.95
1.69	96.48	2.09	99.22	2.49	99.95
1.70	96.59	2.10	99.26	2.50	99.96
1.71	96.69	2.11	99.29	2.51	99.96
1.72	96.78	2.12	99.32	2.52	99.97
1.73	96.88	2.13	99.36	2.53	99.97
1.74	96.97	2.14	99.39	2.54	99.98
1.75	97.07	2.15	99.42	2.55	99.98
1.76	97.16	2.16	99.45	2.56	99.98
1.77	97.25	2.17	99.48	2.57	99.98
1.78	97.33	2.18	99.50	2.58	99.99
1.79	97.42	2.19	99.53	2.59	99.99
1.80	97.51	2.20	99.56	2.60	99.99
1.81	97.59	2.21	99.58	2.61	99.99
1.82	97.67	2.22	99.61	2.62	99.99
1.83	97.75	2.23	99.63	2.63	100.00
1.84	97.83	2.22	99.66	2.64	100.00
1.85	97.91	2.25	99.68	≥ 2.65	100.00
1.86	97.98	2.26	99.70		
1.87	98.05	2.27	99.72		
1.88	98.11	2.28	99.73		
1.89	98.18	2.29	99.75		
1.90	98.25	2.30	99.77		
1.91	98.31	2.31	99.78		
1.92	98.37	2.32	99.80		
1.93	98.44	2.33	99.81		
1.94	98.50	2.34	99.83		
1.95	98.56	2.35	99.84		
1.96	98.61	2.36	99.85		
1.97	98.67	2.37	99.86		
1.98	98.72	2.38	99.87		
1.99	98.78	2.39	99.88		

*For Q_L values less than zero, subtract the table value from 100 to obtain PWL

(b) Minimum Thickness. The minimum thickness method shall be as follows.

(1) Length of Units. The length of a unit will be a continuous strip of pavement 500 ft (150 m) in length.

(2) Width of Units. The width of a unit will be the width from the pavement edge to the adjacent lane line, from one lane line to the next, or between pavement edges for single-lane pavements.

(3) Thickness Measurements. Pavement thickness will be based on 2 in. (50 mm) diameter cores.

Cores shall be taken from the pavement by the Contractor at locations selected by the Engineer. When determining the thickness of a unit, one core shall be taken in each unit.

The Contractor and the Engineer shall witness the coring operations, as well as the measuring and recording of the cores. Core measurements will be determined immediately upon removal from the core bit and prior to moving to the next core location. Upon concurrence of the length, the core samples may be disposed of according to Article 202.03.

Upon completion of each core, all water shall be removed from the hole and the hole then filled with a rapid hardening mortar or concrete. The material shall be mixed in a separate container, placed in the hole, consolidated by rodding, and struck-off flush with the adjacent pavement.

(4) Unit Deficient in Thickness. In considering any portion of the pavement that is deficient, the entire limits of the unit will be used in computing the deficiency or determining the remedial action required.

(5) Thickness Equals or Exceeds Specified Thickness. When the thickness of a unit equals or exceeds the specified plan thickness, payment will be made at the contract unit price per square yard (square meter) for the specified thickness.

(6) Thickness Deficient by Ten Percent or Less. When the thickness of a unit is less than the specified plan thickness by ten percent or less, a deficiency deduction will be assessed against payment for the item involved. The deficiency will be a percentage of the contract unit price as given in the following table.

Percent Deficiency (of Plan Thickness)	Percent Deduction (of Contract Unit Price)
0.0 to 2.0	0
2.1 to 3.0	20
3.1 to 4.0	28
4.1 to 5.0	32
5.1 to 7.5	43
7.6 to 10.0	50

(7) Thickness Deficient by More than Ten Percent. When a core shows the pavement to be deficient by more than ten percent of plan thickness, additional cores shall be taken on each side of the deficient core, at stations selected by the Contractor and offsets selected by the Engineer, to determine the limits of the deficient pavement. No core shall be located within 5 ft (1.5 m) of a previous core obtained for thickness determination. The first acceptable core obtained on each side of a deficient core will be used to determine the length of the deficient pavement. An acceptable core is a core with a thickness of at least 90 percent of plan thickness. The area of deficient pavement will be defined using the length between two acceptable cores and the full width of the unit. The area of deficient pavement shall be removed and replaced; however, when requested in writing by the Contractor, the Engineer may permit in writing such areas of deficient pavement to remain in place. For deficient areas allowed to remain in place, additional lift(s) may be placed, at no additional cost to the Department, to bring the deficient pavement to plan thickness when the Engineer determines grade control conditions will permit such lift(s). The area(s) to be overlaid, material to be used, thickness(es) of the lift(s), and method of placement will be approved by the Engineer.

When an area of deficient pavement is removed and replaced, or additional lifts are placed, the corrected pavement shall be retested for thickness. The thickness of the new core will be used to determine the pay factor for the corrected area.

When an area of deficient pavement is left in place, and no additional lift(s) are placed, no payment will be made for the deficient pavement. In addition, an amount equal to two times the contract cost of the deficient pavement will be deducted from the compensation due the Contractor.

The thickness of the first acceptable core on each side of the core more than ten percent deficient will be used to determine any needed pay adjustments for the remaining areas on each side of the area deficient by more than ten percent. The pay adjustment will be determined according to Article 407.10(b)(6).

(8) Right of Discovery. When the Engineer has reason to believe any core location does not accurately represent the true conditions of the work, he/she may order additional cores. These additional cores shall be taken at specific locations determined by the

Engineer. The Engineer will provide notice to the Contractor containing an explanation of the reasons for his/her action.

When the additional cores show the pavement to be deficient by more than ten percent of plan thickness, the procedures outlined in Article 407.10(b)(7) shall be followed, except the Engineer will determine the additional core locations.

When the additional cores, ordered by the Engineer, show the pavement to be at least 90 percent of plan thickness, the additional cores will be paid for according to Article 109.04.

(9) Profile Index Adjustment. After any area of pavement is removed and replaced or any additional lifts are added, the corrected areas shall be retested for pavement smoothness and any necessary profile index adjustments and/or corrections will be made based on these final profile readings prior to retesting for thickness."

Revise Article 482.06 of the Standard Specifications to read:

"**482.06 Tolerance in Thickness.** The shoulder shall be constructed to the thickness shown on the plans. When the contract includes square yards (square meters) as the unit of measurement for HMA shoulder, thickness determinations shall be made according to Article 407.10(b)(3) and the following.

(a) Length of the Units. The length of a unit shall be a continuous strip of shoulder 2500 ft (750 m) long.

(b) Width of the Units. The width of the unit shall be the full width of the shoulder.

(c) Thickness Deficient by More than Ten Percent. When a core shows the shoulder to be deficient by more than ten percent of plan thickness, additional cores shall be taken on each side of the deficient core, at stations selected by the Contractor and offsets selected by the Engineer, to determine the limits of the deficient shoulder. No core shall be located within 5 ft (1.5 m) of a previous core obtained for thickness determination. The first acceptable core obtained on each side of a deficient core will be used to determine the length of the deficient shoulder. An acceptable core is a core with a thickness of at least 90 percent of plan thickness. The area of deficient shoulder will be defined using the length between two acceptable cores and the full width of the unit. The area of deficient shoulder shall be brought to specified thickness by the addition of the applicable mixture, at no additional cost to the Department and subject to the lift thickness requirements of Article 312.05, or by removal and replacement with a new mixture. However, the surface elevation of the completed shoulder shall not exceed by more than 1/8 in. (3 mm) the surface elevation of the adjacent pavement. When requested in writing by the Contractor, the Engineer may permit in writing such thin shoulder to remain in place. When an area of thin shoulder is left in place, and no additional lift(s) are placed, no payment will be made for the thin shoulder. In addition,

an amount equal to two times the contract unit price of the shoulder will be deducted from the compensation due the Contractor.

When an area of deficient shoulder is removed and replaced, or additional lifts are placed, the corrected pavement shall be retested for thickness.

(d) Right of Discovery. When the Engineer has reason to believe any core location does not accurately represent the true conditions of the work, he/she may order additional cores. When the additional cores, ordered by the Engineer, show the shoulder to be at least 90 percent of plan thickness, the additional cores will be paid for according to Article 109.04. When the additional core shows the shoulder to be less than 90 percent of plan thickness, the procedure in (c), above shall be followed."

Revise Article 483.07 of the Standard Specifications to read:

"**483.07 Tolerance in Thickness.** The shoulder shall be constructed to the thickness shown on the plans. Thickness determinations shall be made according to Article 482.06 except the option of correcting deficient pavement with additional lift(s) shall not apply."

80227

DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION (BDE)

Effective: September 1, 2000
Revised: January 1, 2010

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.

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 6.00 % 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 only 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 enough 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.

BIDDING PROCEDURES. Compliance with this Special Provision is a material bidding requirement. The failure of the bidder to comply will render the bid not responsive.

(a) The bidder shall submit a Disadvantaged Business Utilization Plan on Department forms SBE 2025 and 2026 with the bid.

(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. For bidding purposes, submission of the completed SBE 2025 forms, signed by the DBEs and faxed to the bidder will be acceptable as long as the original is available and provided upon request. All elements of information indicated on the said form shall be provided, including but not limited to the following:

(1) The names and addresses of DBE firms that will participate in the contract;

(2) A description, including pay item numbers, of the work each DBE will perform;

(3) The dollar amount of the participation of each DBE firm participating. The dollar amount of participation for identified work shall specifically state 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) DBE Participation Commitment Statements, form SBE 2025, signed by the bidder and each participating DBE firm documenting the commitment to use the DBE subcontractors whose participation is submitted to meet the contract goal;

(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); and,

(6) If the contract goal is not met, evidence of good faith efforts.

GOOD FAITH EFFORT PROCEDURES. The contract will not be awarded until the Utilization Plan submitted by the apparent successful bidder is approved. All information submitted by the bidder must be complete, accurate and adequately document the good faith efforts of the bidder before the Department will commit to the performance of the contract by the bidder. The Utilization Plan will be approved by the Department if the Utilization Plan commits sufficient commercially useful DBE work performance to meet the contract goal or the bidder submits sufficient documentation of a good faith effort to meet the contract goal pursuant to 49 CFR part 26, Appendix A. The Utilization Plan will not be approved by the Department if the Utilization Plan does not commit sufficient DBE participation to meet the contract goal unless the apparent successful bidder documented in the Utilization Plan that it made a good faith effort 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, by their scope, intensity and appropriateness to the objective, could reasonably be expected to obtain sufficient DBE participation, even if they were not successful. The Department will consider the quality, quantity, and intensity of the kinds of efforts that the bidder has made. Mere *pro forma* efforts, in other words, efforts done as a matter of form, are not good faith efforts; rather, the bidder is expected to have taken genuine 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 apparent successful 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 the bidder has failed to meet the requirements of this Special Provision and that a good faith effort has not been made, the Department will notify the responsible company official designated in the Utilization Plan that the bid is not responsive. The notification shall include a statement of reasons why good faith efforts have not been found.

(c) The bidder may request administrative reconsideration of a determination adverse to the bidder within the five working days after receipt of 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 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. 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.

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 contact. Credit will be given for the following:

(1) The DBE may lease trucks from another DBE firm, including an owner-operator who is certified as a DBE. The DBE who leases trucks from another DBE receives credit for the total value of the transportation services the lessee DBE provides on the contract.

(2) The DBE may also lease trucks from a non-DBE firm, including from an owner-operator. The DBE who leases trucks from a non-DBE is entitled to credit only for the fee or commission it receives as a result of the lease arrangement.

(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.

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 Utilization 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) The Contractor must notify and obtain written approval from the Department's Bureau of Small Business Enterprises prior to replacing a DBE or making any change in the participation of a DBE. Approval for replacement will be granted only if it is demonstrated that the DBE is unable or unwilling to perform. The Contractor must make every good faith effort to find another certified DBE subcontractor to substitute for the original 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 original DBE, to the extent needed to meet the contract goal.

(c) Any deviation from the DBE condition-of-award or contract specifications must be approved, in writing, by the Department. The Contractor shall notify affected DBEs in writing of any changes in the scope of work which result in a reduction in the dollar amount condition-of-award to the contract.

(d) In addition to the above requirements for reductions in the condition of award, additional requirements apply to the two cases of Contractor-initiated work substitution proposals. Where the contract allows alternate work methods which serve to delete or create underruns in condition of award DBE work, and the Contractor selects that alternate method or, where the Contractor proposes a substitute work method or material that serves to diminish or delete work committed to a DBE and replace it with other work, then the Contractor must demonstrate one of the following:

(1) That the replacement work will be performed by the same DBE (as long as the DBE is certified in the respective item of work) in a modification of the condition of award; or

(2) That the DBE is aware that its work will be deleted or will experience underruns and has agreed in writing to the change. If this occurs, the Contractor shall substitute other work of equivalent value to a certified DBE or provide documentation of good faith efforts to do so; or

(3) That the DBE is not capable of performing the replacement work or has declined to perform the work at a reasonably competitive price. If this occurs, the Contractor

shall substitute other work of equivalent value to a certified DBE or provide documentation of good faith efforts to do so.

(e) Where the revision includes work committed to a new DBE subcontractor, not previously involved in the project, then a Request for Approval of Subcontractor, Department form BC 260A, must be signed and submitted.

(f) If the commitment of work is in the form of additional tasks assigned to an existing subcontract, than a new Request for Approval of Subcontractor shall not be required. However, the Contractor must document efforts to assure that the existing DBE subcontractor is capable of performing the additional work and has agreed in writing to the change.

(g) 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. 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.

(h) 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 Utilization Plan and after good faith efforts are reviewed, the Department may deduct from contract payments to the Contractor the amount of the goal not achieved as liquidated and ascertained damages. The Contractor may request an administrative reconsideration of any amount deducted as damages pursuant to subsection (j) of this part.

(i) 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.

(j) 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.

80029

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.

FHWA hourly rate = (monthly rate/176) x (model year adj.) x (Illinois adj.) + 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 x (FHWA hourly rate - 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."

80189

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."

80228

FRAMES AND GRATES (BDE)

Effective: January 1, 2010

Revise Article 609.02 of the Standard Specifications to read:

"**609.02 Materials.** Materials shall be according to the following.

Item	Article/Section
(a) Portland Cement Concrete	1020
(b) Gray Iron Castings	1006.14
(c) Ductile Iron Castings	1006.15
(d) Reinforcement Bars	1006.10
(e) Bedding Layer (Note 1)	1004.01
(f) Precast Concrete Bridge Approach Drains	1042

Note 1. Gradation CA 6, CA 10, or CA 12 of D quality or better."

Revise Article 609.04 of the Standard Specifications to read:

"**609.04 Frames and Grates.** Cast iron frames and grates shall be used. Grates shall seat firmly in the frame."

80249

FRICTION AGGREGATE (BDE)

Effective: January 1, 2011

Revise Article 1004.01(a)(4) of the Standard Specifications to read:

"(4) Crushed Stone. Crushed stone shall be the angular fragments resulting from crushing undisturbed, consolidated deposits of rock by mechanical means. Crushed stone shall be divided into the following, when specified.

a. Carbonate Crushed Stone. Carbonate crushed stone shall be either dolomite or limestone. Dolomite shall contain 11.0 percent or more magnesium oxide (MgO). Limestone shall contain less than 11.0 percent magnesium oxide (MgO).

b. Crystalline Crushed Stone. Crystalline crushed stone shall be either metamorphic or igneous stone, including but is not limited to, quartzite, granite, rhyolite and diabase."

Revise Article 1004.03(a) of the Standard Specifications to read:

"**1004.03 Coarse Aggregate for Hot-Mix Asphalt (HMA).** The aggregate shall be according to Article 1004.01 and the following.

(a) Description. The coarse aggregate for HMA shall be according to the following table.

Use	Mixture	Aggregates Allowed
Class A	Seal or Cover	<u>Allowed Alone or in Combination:</u> Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag Crushed Concrete
HMA All Other	Stabilized Subbase or Shoulders	<u>Allowed Alone or in Combination:</u> Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag[1/] Crushed Concrete

<table>
<tr><th>Use</th><th>Mixture</th><th>Aggregates Allowed</th></tr>
<tr><td>HMA
High ESAL
Low ESAL</td><td>Binder
IL-25.0, IL-19.0,
or IL-19.0L

SMA Binder</td><td><u>Allowed Alone or in Combination:</u>
Crushed Gravel
Carbonate Crushed Stone[2/]
Crystalline Crushed Stone
Crushed Sandstone
Crushed Slag (ACBF)
Crushed Concrete[3/]</td></tr>
<tr><td>HMA
High ESAL
Low ESAL</td><td>C Surface and
Leveling Binder
IL-12.5,IL-9.5,
or IL-9.5L

SMA
Ndesign 50
Surface</td><td><u>Allowed Alone or in Combination:</u>
Crushed Gravel
Carbonate Crushed Stone[2/]
Crystalline Crushed Stone
Crushed Sandstone
Crushed Slag (ACBF)
Crushed Steel Slag[4/]
Crushed Concrete[3/]</td></tr>
<tr><td rowspan="5">HMA
High ESAL</td><td rowspan="5">D Surface and
Leveling Binder
IL-12.5 or
IL-9.5

SMA
Ndesign 50
Surface</td><td><u>Allowed Alone or in Combination:</u>
Crushed Gravel
Carbonate Crushed Stone (other than Limestone)[2/]
Crystalline Crushed Stone
Crushed Sandstone
Crushed Slag (ACBF)[5/]
Crushed Steel Slag[4/ 5/]
Crushed Concrete[3/]</td></tr>
<tr><td><u>Other Combinations Allowed:</u>
<table><tr><th>Up to...</th><th>With...</th></tr><tr><td>25% Limestone</td><td>Dolomite</td></tr><tr><td>50% Limestone</td><td>Any Mixture D aggregate other than Dolomite</td></tr><tr><td>75% Limestone</td><td>Crushed Slag (ACBF)[5/] or Crushed Sandstone</td></tr></table></td></tr>
</table>

Use	Mixture	Aggregates Allowed	
HMA High ESAL	E Surface IL-12.5 or IL-9.5 SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination:</u> Crushed Gravel Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF)[5/] Crushed Steel Slag[5/] Crushed Concrete[3/] No Limestone.	
		<u>Other Combinations Allowed:</u>	
		Up to...	*With...*
		50% Dolomite[2/]	Any Mixture E aggregate
		75% Dolomite[2/]	Crushed Sandstone, Crushed Slag (ACBF)[5/], Crushed Steel Slag[5/], or Crystalline Crushed Stone
		75% Crushed Gravel or Crushed Concrete[3/]	Crushed Sandstone, Crystalline Crushed Stone, Crushed Slag (ACBF)[5/], or Crushed Steel Slag[5/]
HMA High ESAL	F Surface IL-12.5 or IL-9.5 SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination:</u> Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF)[5/] Crushed Steel Slag[5/] No Limestone.	
		<u>Other Combinations Allowed</u>:	
		Up to...	*With...*

Use	Mixture	Aggregates Allowed	
		50% Crushed Gravel, Crushed Concrete[3/], or Dolomite[2/]	Crushed Sandstone, Crushed Slag (ACBF)[5/], Crushed Steel Slag[5/], or Crystalline Crushed Stone

1/ Crushed steel slag allowed in shoulder surface only.
2/ Carbonate crushed stone shall not be used in SMA Ndesign 80. In SMA Ndesign 50, carbonate crushed stone shall not be blended with any of the other aggregates allowed alone in Ndesign 50 SMA binder or Ndesign 50 SMA surface.
3/ Crushed concrete will not be permitted in SMA mixes.
4/ Crushed steel slag shall not be used as leveling binder.
5/ When either slag is used, the blend percentages listed shall be by volume."

80265

HMA - HAULING ON PARTIALLY COMPLETED FULL-DEPTH PAVEMENT (BDE)

Effective: January 1, 2008

Revise Article 407.08 of the Standard Specifications to read:

"**407.08 Hauling on the Partially Completed Full-Depth Pavement.** Legally loaded trucks will be permitted on the partially completed full-depth HMA pavement only to deliver HMA mixture to the paver, provided the last lift has cooled a minimum of 12 hours. Hauling shall be limited to the distances shown in the following tables. The pavement surface temperature shall be measured using an infrared gun. The use of water to cool the pavement to permit hauling will not be allowed. The Contractor's traffic pattern shall minimize hauling on the partially completed pavement and shall vary across the width of the pavement such that "tracking" of vehicles, one directly behind the other, does not occur.

MAXIMUM HAULING DISTANCE FOR PAVEMENT SURFACE TEMPERATURE BELOW 105 °F (40 °C)				
Total In-Place Thickness Being Hauled On, in. (mm)	Thickness of Lift Being Placed			
	3 in. (75 mm) or less		More than 3 in. (75 mm)	
	Modified Soil Subgrade	Granular Subbase	Modified Soil Subgrade	Granular Subbase
3.0 to 4.0 (75 to 100)	0.75 miles (1200 m)	1.0 mile (1600 m)	0.50 miles (800 m)	0.75 miles (1200 m)
4.1 to 5.0 (101 to 125)	1.0 mile (1600 m)	1.5 miles (2400 m)	0.75 miles (1200 m)	1.0 mile (1600 m)
5.1 to 6.0 (126 to 150)	2.0 miles (3200 m)	2.5 miles (4000 m)	1.5 miles (2400 m)	2.0 miles (3200 m)
6.1 to 8.0 (151 to 200)	2.5 miles (4000 m)	3.0 miles (4800 m)	2.0 miles (3200 m)	2.5 miles (4000 m)
Over 8.0 (200)	No Restrictions			

MAXIMUM HAULING DISTANCE FOR PAVEMENT SURFACE TEMPERATURE OF 105 °F (40 °C) AND ABOVE				
Total In-Place Thickness Being Hauled On, in. (mm)	Thickness of Lift Being Placed			
	3 in. (75 mm) or less		More than 3 in. (75 mm)	
	Modified Soil Subgrade	Granular Subbase	Modified Soil Subgrade	Granular Subbase
3.0 to 4.0 (75 to 100)	0.50 miles (800 m)	0.75 miles (1200 m)	0.25 miles (400 m)	0.50 miles (800 m)
4.1 to 5.0 (101 to 125)	0.75 miles (1200 m)	1.0 mile (1600 m)	0.50 miles (800 m)	0.75 miles (1200 m)
5.1 to 6.0 (126 to 150)	1.0 mile (1600 m)	1.5 miles (2400 m)	0.75 miles (1200 m)	1.0 mile (1600 m)
6.1 to 8.0 (151 to 200)	2.0 miles (3200 m)	2.5 miles (4000 m)	1.5 miles (2400 m)	2.0 miles (3200 m)
Over 8.0 (200)	No Restrictions			

Permissive hauling on the partially completed pavement shall not relieve the Contractor of his/her responsibility for damage to the pavement. Any portion of the full-depth HMA pavement that is damaged by hauling shall be removed and replaced, or otherwise repaired to the satisfaction of the Engineer.

Crossovers used to transfer haul trucks from one roadway to the other shall be at least 1000 ft (300 m) apart and shall be constructed of material that will prevent tracking of dust or mud on the completed HMA lifts. The Contractor shall construct, maintain, and remove all crossovers."

80194

HOT-MIX ASPHALT – ANTI-STRIPPING ADDITIVE (BDE)

Effective: November 1, 2009

Revise the first and second paragraphs of Article 1030.04(c) of the Standard Specifications to read:

"(c) Determination of Need for Anti-Stripping Additive. The mixture designer shall determine if an additive is needed in the mix to prevent stripping. The determination will be made on the basis of tests performed according to Illinois Modified AASHTO T 283. To be considered acceptable by the Department as a mixture not susceptible to stripping, the conditioned to unconditioned split tensile strength ratio (TSR) shall be equal to or greater than 0.85 for 6 in. (150 mm) specimens. Mixtures, either with or without an additive, with TSRs less than 0.85 for 6 in. (150 mm) specimens will be considered unacceptable. Also, the conditioned tensile strength for mixtures containing an anti-strip additive shall not be lower than the original conditioned tensile strength determined for the same mixture without the anti-strip additive.

If it is determined that an additive is required, the additive may be hydrated lime, slaked quicklime, or a liquid additive, at the Contractor's option."

80245

HOT-MIX ASPHALT - DENSITY TESTING OF LONGITUDINAL JOINTS (BDE)

Effective: January 1, 2010

Description. This work shall consist of testing the density of longitudinal joints as part of the quality control/quality assurance (QC/QA) of hot-mix asphalt (HMA). Work shall be according to Section 1030 of the Standard Specifications except as follows.

Quality Control/Quality Assurance (QC/QA). Delete the second and third sentence of the third paragraph of Article 1030.05(d)(3) of the Standard Specifications.

Add the following paragraphs to the end of Article 1030.05(d)(3) of the Standard Specifications:

"Longitudinal joint density testing shall be performed at each random density test location. Longitudinal joint testing shall be located at a distance equal to the lift thickness or a minimum of 2 in. (50 mm), from each pavement edge. (i.e. for a 4 in. (100 mm) lift the near edge of the density gauge or core barrel shall be within 4 in. (100 mm) from the edge of pavement.) Longitudinal joint density testing shall be performed using either a correlated nuclear gauge or cores.

a. Confined Edge. Each confined edge density shall be represented by a one-minute nuclear density reading or a core density and shall be included in the average of density readings or core densities taken across the mat which represents the Individual Test.

b. Unconfined Edge. Each unconfined edge joint density shall be represented by an average of three one-minute density readings or a single core density at the given density test location and shall meet the density requirements specified herein. The three one-minute readings shall be spaced ten feet apart longitudinally along the unconfined pavement edge and centered at the random density test location."

Revise the Density Control Limits table in Article 1030.05(d)(4) of the Standard Specifications to read:

"Mixture Composition	Parameter	Individual Test (includes confined edges)	Unconfined Edge Joint Density Minimum
IL-9.5, IL-12.5	Ndesign ≥ 90	92.0 – 96.0%	90.0%
IL-9.5,IL-9.5L, IL-12.5	Ndesign < 90	92.5 – 97.4%	90.0%
IL-19.0, IL-25.0	Ndesign ≥ 90	93.0 – 96.0%	90.0%
IL-19.0, IL-19.0L, IL-25.0	Ndesign < 90	93.0 – 97.4%	90.0%
SMA	Ndesign = 50 & 80	93.5 – 97.4%	91.0%
All Other	Ndesign = 30	93.0 - 97.4%	90.0%"

80246

HOT-MIX ASPHALT – DROP-OFFS (BDE)

Effective: January 1, 2010

Revise the third paragraph of Article 701.07 of the Standard Specifications to read:

"At locations where construction operations result in a differential in elevation exceeding 3 in. (75 mm) between the edge of pavement or edge of shoulder within 3 ft (900 mm) of the edge of the pavement and the earth or aggregate shoulders, Type I or II barricades or vertical panels shall be placed at 100 ft (30 m) centers on roadways where the posted speed limit is 45 mph or greater and at 50 ft (15 m) centers on roadways where the posted speed limit is less than 45 mph."

80250

HOT-MIX ASPHALT - FINE AGGREGATE (BDE)

Effective: April 1, 2010

Add the following to the gradation tables of Article 1003.01(c) of the Standard Specifications:

"FINE AGGREGATE GRADATIONS					
Grad No.	Sieve Size and Percent Passing				
	3/8	No. 4	No. 8	No. 16	No. 200
FA 22	100	6/	6/	8±8	2±2

FINE AGGREGATE GRADATIONS (Metric)					
Grad No.	Sieve Size and Percent Passing				
	9.5 mm	4.75 mm	2.36 mm	1.18 mm	75 µm
FA 22	100	6/	6/	8±8	2±2

6/ For the fine aggregate gradation FA 22, the aggregate producer shall set the midpoint percent passing, and the Department will apply a range of ± ten percent. The midpoint shall not be changed without Department approval."

Revise Article 1003.03(a) of the Standard Specifications to read:

"(a) Description. Fine aggregate for HMA shall consist of sand, stone sand, chats, slag sand, or steel slag sand. For gradation FA 22, uncrushed material will not be permitted."

Revise Article 1003.03(c) of the Standard Specifications to read:

"(c) Gradation. The fine aggregate gradation for all HMA shall be FA 1, FA 2, FA 20, FA 21, or FA 22.

Gradation FA 1, FA 2, or FA 3 shall be used when required for prime coat aggregate application for HMA."

80259

IMPROVED SUBGRADE (BDE)

Effective: January 1, 2010

Revise the second paragraph of Article 302.04 of the Standard Specifications to read:

"The quantity of modified soil constructed shall be limited to that which can be covered by the full thickness of portland cement concrete pavement or HMA binder during the same construction season."

Revise the first paragraph of Article 302.07 of the Standard Specifications to read:

"**302.07 Application of Modifier.** The modifier shall be applied uniformly on the soil. The application of modifier shall be limited to that amount which can be mixed with the soil within the same working day."

Revise the first paragraph of Article 302.08 of the Standard Specifications to read:

"**302.08 Mixing.** The modifier, soil, and water shall be thoroughly mixed. Mixing shall continue until a homogenous layer of the required thickness has been obtained and a minimum of 75 percent of the mixture is smaller than 1 in. (25 mm). The moisture content of the modified soil shall be above optimum moisture content with a maximum of three percent above optimum."

Revise Article 302.10 of the Standard Specifications to read:

"**302.10 Finishing and Curing.** When multiple lifts are used to construct the modified soil layer, the top lift shall be a minimum of 6 in. (150 mm) thick when compacted.

Construction of pipe underdrains shall follow the requirements of Article 407.07. The surface of the modified soil shall be kept drained according to Article 301.09 and shall maintain moisture content not exceeding three percent above optimum prior to pavement construction.

When compaction of the modified soil is nearing completion, the surface shall be shaped to the required lines, grades, and cross section shown on the plans. For HMA base course and pavement (full-depth) and portland cement concrete base course and pavement, the surface of the modified soil shall be brought to true shape and correct elevation according to Article 301.07, except well compacted earth shall not be used to fill low areas.

The modified soil shall be cured for a minimum of 24 hours. The ambient air temperature shall be above 45 °F (7 °C) during curing.

During the curing period, the moisture content of the modified soil shall be maintained at optimum by sprinkling with water, use of plastic sheeting, or applying bituminous materials according to Article 312.14. During this period, no equipment or traffic will be permitted on the completed work beyond that required for maintenance of curing.

Equipment of such weight, or used in such a way as to cause a rut depth of 1/2 in. (13 mm) or more in the finished modified soil, shall be removed, or the rutting otherwise prevented, as directed by the Engineer."

Revise the first paragraph of Article 302.11 of the Standard Specifications to read:

"**302.11 Subgrade Stability.** Following curing, the Engineer will determine the stability of the modified soil in terms of the immediate bearing value (IBV), according to Illinois Test Procedure 501. The IBV shall be a minimum of 10.0 measured within 10 calendar days prior to pavement construction."

Revise the second paragraph of Article 310.04 of the Standard Specifications to read:

"The quantity of lime stabilized soil mixture constructed shall be limited to that which can be covered by the full thickness of portland cement concrete pavement or HMA binder during the same construction season."

Revise the first paragraph of Article 310.08(a) of the Standard Specifications to read:

"(a) Initial Mixing. The lime, soil, and water shall be thoroughly mixed until a uniform mixture throughout the required depth and width is obtained. All clods and lumps shall be reduced to a maximum size of 2 in. (50 mm). The moisture content of the stabilized soil shall be above optimum moisture content with a maximum of three percent above optimum."

Insert the following paragraph after the first paragraph of Article 310.10 of the Standard Specifications:

"Construction of pipe underdrains shall follow the requirements of Article 407.07. The surface of the lime stabilized soil shall be kept drained according to Article 301.09 and shall maintain a maximum moisture content of three percent above optimum prior to pavement construction."

Revise the first paragraph of Article 310.11 of the Standard Specifications to read:

"**310.11 Subgrade Stability.** Following curing, the Engineer will determine the stability of the lime stabilized soil mixture in terms of the immediate bearing value (IBV) according to Illinois Test Procedure 501. The IBV shall be a minimum of 23.0 measured within 10 calendar days prior to pavement construction."

Revise the second paragraph of Article 311.05 of the Standard Specifications to read:

"The granular material shall be placed and compacted at least three days prior to the placement of pavement or base course. Except where required for temporary access, the quantity of subbase granular material Types A or B to be placed shall be limited to that which can be covered by the full thickness of PCC pavement or HMA binder during the same

construction season."

80252

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"

80230

METAL HARDWARE CAST INTO CONCRETE (BDE)

Effective: April 1, 2008
Revised: April 1, 2009

Add the following to Article 503.02 of the Standard Specifications:

"(g) Metal Hardware Cast into Concrete ..... 1006.13"

Add the following to Article 504.02 of the Standard Specifications:

"(j) Metal Hardware Cast into Concrete ..... 1006.13"

Revise Article 1006.13 of the Standard Specifications to read:

"**1006.13 Metal Hardware Cast into Concrete.** Unless otherwise noted, all steel hardware cast into concrete, such as inserts, brackets, cable clamps, metal casings for formed holes, and other miscellaneous items, shall be galvanized according to AASHTO M 232 or AASHTO M 111. Aluminum inserts will not be allowed. Zinc alloy inserts shall be according to ASTM B 86, Alloys 3, 5, or 7.

The inserts shall be UNC threaded type anchorages having the following minimum certified proof load.

Insert Diameter	Proof Load
5/8 in. (16 mm)	6600 lb (29.4 kN)
3/4 in. (19 mm)	6600 lb (29.4 kN)
1 in. (25 mm)	9240 lb (41.1 kN)"

80203

MULCH (BDE)

Effective: November 1, 2010
Revised: January 1, 2011

Revise the first sentence of Article 251.03 of the Standard Specifications to read:

"Within 24 hours of seed placement, mulch by one of the following methods shall be placed on the areas specified."

Revise Article 251.03(b)(2) of the Standard Specifications to read:

"(2) Procedure 2. This procedure shall consist of stabilizing the straw with an approved mulch blower followed immediately by an overspray application of light-duty hydraulic mulch. The hydraulic mulch shall be according to Article 251.03(c) except that it shall be applied as a slurry of 900 lb (1020 kg) of mulch and 1000 gal (9500 L) of water per acre (hectare) using a hydraulic mulch applicator. The light-duty hydraulic mulch shall be agitated a minimum of five minutes before application and shall be agitated during application. The light-duty hydraulic mulch shall be applied from opposing directions to ensure even coverage."

Revise Article 251.03(c) of the Standard Specification to read:

"(c) Method 3. This method shall consist of the machine application of a light-duty hydraulic mulch. Seeding shall be conducted as a separate operation and shall not be added to the hydraulic mulch slurry. Hydraulic mulch shall not be applied when the ambient temperature is at or below freezing. To achieve full and even coverage, the hydraulic mulch shall be applied from two opposing directions. Mixing and application rates shall be according to the manufacturer's recommendations and meet the minimum application rates set in Article 1081.06(a)(2)."

Revise Article 251.03(d) of the Standard Specifications to read:

"(d) Method 3A. This method shall consist of the machine application of a heavy-duty hydraulic mulch. Seeding shall be conducted as a separate operation and shall not be added to the hydraulic mulch slurry. The hydraulic mulch shall not be applied when the ambient temperature is at or below freezing. To achieve full and even coverage, the hydraulic mulch shall be applied from two opposing directions. Mixing and application rates shall be according to the manufacturer's recommendations and meet the minimum application rates set in Article 1081.06(a)(2). The heavy-duty hydraulic mulch shall be applied using a mechanically agitated hydraulic mulching machine."

Add the following to Article 251.03 of the Standard Specifications:

"(e) Method 4. This method shall consist of applying compost combined with a performance additive designed to bind/stabilize the compost. The compost/performance additive

mixture shall be applied to the surface of the slope using a pneumatic blower at a depth of 2 in. (50 mm)."

Revise Article 251.04 of the Standard Specifications to read:

"**251.04 Erosion Control Blanket.** Erosion control blanket may be placed using either excelsior blanket or knitted straw blanket. Within 24 hours of seed placement, blanket shall be placed on the areas specified. Prior to placing the blanket, the areas to be covered shall be relatively free of rocks or clods over 1 1/2 in. (40 mm) in diameter, and sticks or other foreign material which will prevent the close contact of the blanket with the seed bed. If, as a result of rain, the prepared seed bed becomes crusted or eroded, or if eroded places, ruts, or depressions exist for any reason, the Contractor shall rework the soil until it is smooth and reseed such areas which are reworked.

After the area has been properly shaped, fertilized, and seeded, the blanket shall be laid out flat, evenly, and smoothly, without stretching the material. The excelsior and knitted straw blankets shall be placed so that the netting is on the top and the fibers are in contact with the soil. The heavy duty blankets shall be placed so that the heavy duty extruded plastic mesh is on the bottom.

For placement in ditches, the erosion control blanket shall be applied parallel to the centerline of the ditch so that there are no longitudinal seams within 2 ft (600 mm) of the bottom centerline of the ditch. The blanket shall be toed in on the upslope edge and shingled or overlapped with the flow.

On slopes, the blanket shall be applied either horizontally or vertically to the contour, toed in on the upslope edge, and shingled or overlapped with the flow.

When placed adjacent to the roadway, blankets shall be toed in along the edge of shoulder.

Anchoring the blankets shall be according to the manufacturer's specifications."

Revise Article 251.06(b) of the Supplemental Specifications to read:

"(b) Measured Quantities. Mulch Methods 1, 2, 3, 3A and 4 will be measured for payment in place in acres (hectares) of surface area mulched. Erosion control blanket, heavy duty erosion control blanket, and turf reinforcement mat will be measured for payment in place in square yards (square meters)."

Revise Article 251.07 of the Supplemental Specifications to read:

"**251.07 Basis of Payment.** This work will be paid for at the contract unit price per acre (hectare) for MULCH, METHOD 1; MULCH, METHOD 2; MULCH, METHOD 3; MULCH, METHOD 3A; MULCH, METHOD 4; and at the contract unit price per square yard (square meter) for EROSION CONTROL BLANKET, HEAVY DUTY EROSION CONTROL BLANKET, or TURF REINFORCEMENT MAT."

Revise Article 1081.06(a)(2) of the Standard Specifications to read:

"(2) Hydraulic Mulch. The mulch component shall be comprised of a minimum of 70 percent biodegradable material such as wood cellulose, paper fibers, straw or cotton and shall contain no growth or germination inhibiting factors. The remainder of the components shall consist of the manufacturer's choice of tackifiers and/or strengthening fibers needed to meet the performance specifications. Tackifiers shall be non-toxic and LC 50 test results shall be provided along with the manufacturer's certification. Hydraulic mulch shall disperse evenly and rapidly and remain in slurry when agitated with water. When uniformly applied, the slurry shall form an absorbent cover allowing percolation of water to the underlying surface. Hydraulic mulch shall be packaged in UV and moisture resistant factory labeled packages or bags with the net quantity of the packaged material plainly shown on each package. The biodegradable material shall be relatively free of glossy papers and shall not be water soluble. The hydraulic mulches shall be according to the following.

Light-Duty Hydraulic Mulch	
Property[1/]	Value
Functional Longevity[2/]	3 months
Minimum Application Rates	2000 lb/acre (2240 kg/ha)
Typical Maximum Slope Gradient (V:H)	≤ 1:3
Maximum Uninterrupted Slope Length	50 ft (15 m)
Maximum C Factor	0.15
Minimum Vegetation Establishment[5/]	200 %

Heavy-Duty Hydraulic Mulch	
Property[1/]	Value
Functional Longevity[2/]	12 months
Minimum Application Rates	3000 lb/acre (3360 kg/ha)
Typical Maximum Slope Gradient (V:H)	≤ 1:2
Maximum Uninterrupted Slope Length	100 ft (30 m)
Maximum C Factor[3/ 4/]	0.02
Minimum Vegetation Establishment[5]	400 %

1/ This table sets minimum requirements only. Refer to manufacturer recommendations for application rates, instructions, gradients, maximum continuous slope lengths and other site specific recommendations.

2/ Manufacturer's estimated time period, based upon field observations, that a material can be anticipated to provide erosion control as influenced by its composition and site-specific conditions.

3/ "C" Factor calculated as ratio of soil loss from HECP protected slope (tested at specified or greater gradient, h:v) to ratio of soil loss from unprotected (control) plot based on large-scale testing.

4/ Large-scale test methods shall be according to ASTM D 6459.

5/ Minimum vegetation establishment shall be calculated according to ASTM D 7322.

The manufacturer shall furnish a certification with each shipment of hydraulic mulch stating the number of packages or bags furnished and that the material complies with these requirements."

80262

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

Effective: April 1, 2007
Revised: November 1, 2009

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 portion of a calendar day until the deficiency is corrected to the satisfaction of the Engineer. The calendar day(s) will begin with notification to the Contractor and end with the Engineer's acceptance of the correction. The base value of the daily monetary deduction is $1000.00 and will be applied to each location for which a deficiency exists. The value of the deficiency deduction assessed for each infraction will be determined by multiplying the base value by a Gravity Adjustment Factor provided in Table A. Except for failure to participate in a required jobsite inspection of the project prior to initiating earthmoving operations which will be based on the total acreage of planned disturbance at the following multipliers: <5 Acres: 1; 5-10 Acres: 2; >10-25 Acres: 3; >25 Acres: 5. For those deficiencies where corrective action was not an option, the monetary deduction will be immediate and will be valued at one calendar day multiplied by a Gravity Adjustment Factor.

Table A Deficiency Deduction Gravity Adjustment Factors				
Types of Violations	Soil Disturbed and Not Permanently Stabilized At Time of Violation			
	< 5 Acres	5 - 10 Acres	>10 - 25 Acres	> 25 Acres
Failure to Install or Properly Maintain BMP	0.1 - 0.5	0.2 - 1.0	0.5 - 2.5	1.0 - 5
Careless Destruction of BMP	0.2 - 1	0.5 - 2.5	1.0 - 5.	1.0 - 5
Intrusion into Protected Resource	1.0 - 5	1.0 - 5	2.0 - 10	2.0 - 10
Failure to properly manage Chemicals, Concrete Washouts or Residuals, Litter or other Wastes	0.2 - 1	0.2 - 1	0.5 - 2.5	1.0 - 5
Improper Vehicle and Equipment Maintenance, Fueling or Cleaning	0.1 - 0.5	0.2 - 1	0.2 - 1	0.5 - 2.5
Failure to Provide or Update Written or Graphic Plans Required by SWPPP	0.2 - 1	0.5 - 2.5	1.0 - 5	1.0 - 5
Failure to comply with Other Provisions of the NPDES Permit	0.1 - 0.5	0.2 - 1	0.2 - 1	0.5 - 2.5"

80180

PAVEMENT MARKING REMOVAL (BDE)

Effective: April 1, 2009

Add the following to the end of the first paragraph of Article 783.03(a) of the Standard Specifications:

"The use of grinders will not be allowed on new surface courses."

80231

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.

80022

PIPE CULVERTS (BDE)

Effective: April 1, 2009
Revised: April 1, 2010

Revise Tables IIIA, IIIB, and IIIC of Article 542.03 of the Standard Specifications to read:

"PIPE CULVERT TABLE IIIA
PLASTIC PIPE PERMITTED FOR A GIVEN PIPE DIAMETER
AND FILL HEIGHT OVER THE TOP OF THE PIPE

Nom. Dia.	Type 1 Fill Height: 3' and less with 1' minimum cover							Type 2 Fill Height: Greater than 3', not exceeding 10'						
in.	PVC	CPVC	PVCPW -794	PVCPW -304	PE	CPE	PEPW	PVC	CPVC	PVCPW -794	PVCPW -304	PE	CPE	PEPW
10	X	NA	NA	NA	X	NA	NA	X	*	NA	NA	X	NA	NA
12	X	X	X	X	X	X	NA	X	X	X	X	X	X	NA
15	X	X	X	X	X	X	NA	X	X	X	X	X	X	NA
18	X	X	X	X	X	X	X	X	X	X	X	X	X	X
21	X	X	X	X	NA	NA	X	X	X	X	X	NA	NA	X
24	X	X	X	X	X	X	X	X	X	X	X	X	X	X
30	X	X	X	X	X	X	X	X	X	X	X	X	X	X
36	X	X	X	X	X	X	X	X	X	X	X	X	X	X
42	NA	NA	X	X	X	X	X	NA	NA	X	X	X	X	X
48	NA	NA	X	X	X	X	X	NA	NA	X	X	X	X	X

PIPE CULVERT TABLE IIIA (metric)
PLASTIC PIPE PERMITTED FOR A GIVEN PIPE DIAMETER
AND FILL HEIGHT OVER THE TOP OF THE PIPE

Nom. Dia.	Type 1 Fill Height: 1 m and less with 0.3 m minimum cover							Type 2 Fill Height: Greater than 1 m, not exceeding 3 m						
mm	PVC	CPVC	PVCPW -794	PVCPW -304	PE	CPE	PEPW	PVC	CPVC	PVCPW -794	PVCPW -304	PE	CPE	PEPW
250	X	NA	NA	NA	X	NA	NA	X	*	NA	NA	X	NA	NA
300	X	X	X	X	X	X	NA	X	X	X	X	X	X	NA
375	X	X	X	X	X	X	NA	X	X	X	X	X	X	NA
450	X	X	X	X	X	X	X	X	X	X	X	X	X	X
525	X	X	X	X	NA	NA	X	X	X	X	X	NA	NA	X
600	X	X	X	X	X	X	X	X	X	X	X	X	X	X
750	X	X	X	X	X	X	X	X	X	X	X	X	X	X
900	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1000	NA	NA	X	X	X	X	X	NA	NA	X	X	X	X	X
1200	NA	NA	X	X	X	X	X	NA	NA	X	X	X	X	X

PVC	Polyvinyl Chloride (PVC) Pipe
CPVC	Corrugated Polyvinyl Chloride (PVC) Pipe with a Smooth Interior
PVCPW-794	Polyvinyl Chloride (PVC) Profile Wall Pipe-794
PVCPW-304	Polyvinyl Chloride (PVC) Profile Wall Pipe-304
PE	Polyethylene (PE) Pipe with a Smooth Interior
CPE	Corrugated Polyethylene (PE) Pipe with a Smooth Interior
PEPW	Polyethylene (PE) Profile Wall Pipe
X	This material may be used for the given pipe diameter and fill height.
NA	This material is Not Acceptable for the given pipe diameter and fill height.
*	May be used if Bureau of Materials and Physical Research approves and with manufacturer's certification.

PIPE CULVERT TABLE IIIB

PLASTIC PIPE PERMITTED FOR A GIVEN PIPE DIAMETER AND FILL HEIGHT OVER THE TOP OF THE PIPE

Nom. Dia.	Type 3 Fill Height: Greater than 10', not exceeding 15'						Type 4 Fill Height: Greater than 15', not exceeding 20'				
in.	PVC	CPVC	PVCPW -794	PVCPW -304	PE	PEPW	PVC	CPVC	PVCPW -794	PVCPW -304	
10	X	*	NA	NA	X	NA	X	*	NA	NA	
12	X	X	X	X	X	NA	X	X	X	X	
15	X	X	X	X	X	NA	X	X	X	X	
18	X	X	X	X	X	X	X	X	X	X	
21	X	X	X	X	NA	X	X	X	X	X	
24	X	X	X	X	X	X	X	X	X	X	
30	X	X	X	X	X	X	X	X	X	X	
36	X	X	X	X	X	X	X	X	X	X	
42	NA	NA	X	X	X	X	NA	NA	X	X	
48	NA	NA	X	X	X	X	NA	NA	X	X	

PIPE CULVERT TABLE IIIB (metric)

PLASTIC PIPE PERMITTED FOR A GIVEN PIPE DIAMETER AND FILL HEIGHT OVER THE TOP OF THE PIPE

Nom. Dia.	Type 3 Fill Height: Greater than 3 m, not exceeding 4.5 m						Type 4 Fill Height: Greater than 4.5 m, not exceeding 6 m				
mm	PVC	CPVC	PVCPW -794	PVCPW -304	PE	PEPW	PVC	CPVC	PVCPW -794	PVCPW -304	
250	X	*	NA	NA	X	NA	X	*	NA	NA	
300	X	X	X	X	X	NA	X	X	X	X	
375	X	X	X	X	X	NA	X	X	X	X	
450	X	X	X	X	X	X	X	X	X	X	
525	X	X	X	X	NA	X	X	X	X	X	
600	X	X	X	X	X	X	X	X	X	X	
750	X	X	X	X	X	X	X	X	X	X	
900	X	X	X	X	X	X	X	X	X	X	
1000	NA	NA	X	X	X	X	NA	NA	X	X	
1200	NA	NA	X	X	X	X	NA	NA	X	X	

PVC	Polyvinyl Chloride (PVC) Pipe
CPVC	Corrugated Polyvinyl Chloride (PVC) Pipe with a Smooth Interior
PVCPW-794	Polyvinyl Chloride (PVC) Profile Wall Pipe-794
PVCPW-304	Polyvinyl Chloride (PVC) Profile Wall Pipe-304
PE	Polyethylene (PE) Pipe with a Smooth Interior
PEPW	Polyethylene (PE) Profile Wall Pipe
X	This material may be used for the given pipe diameter and fill height.
NA	This material is Not Acceptable for the given pipe diameter and fill height.
*	May be used if Bureau of Materials and Physical Research approves and with manufacturer's certification.

PIPE CULVERT TABLE IIIC PLASTIC PIPE PERMITTED FOR A GIVEN PIPE DIAMETER AND FILL HEIGHT OVER THE TOP OF THE PIPE										
Nom. Dia.	Type 5 Fill Height: Greater Than 20', not exceeding 25'				Type 6 Fill Height: Greater than 25', not exceeding 30'				Type 7 Fill Height: Greater than 30', not exceeding 35'	
in.	PVC	CPVC	PVCPW -794	PVCPW -304	PVC	CPVC	PVCPW -794	PVCPW -304	PVC	
10	X	*	NA	NA	X	*	NA	NA	X	
12	X	X	X	X	X	X	X	X	X	
15	X	X	X	X	X	NA	NA	NA	X	
18	X	X	X	X	X	NA	NA	NA	X	
21	X	X	X	X	X	NA	NA	NA	X	
24	X	X	X	X	X	NA	NA	NA	X	
30	X	NA	NA	NA	X	NA	NA	NA	X	
36	X	NA	NA	NA	X	NA	NA	NA	X	
42	NA	NA	NA	NA	NA	NA	NA	NA	NA	
48	NA	NA	NA	NA	NA	NA	NA	NA	NA	

PIPE CULVERT TABLE IIIC (metric) PLASTIC PIPE PERMITTED FOR A GIVEN PIPE DIAMETER AND FILL HEIGHT OVER THE TOP OF THE PIPE										
Nom. Dia.	Type 5 Fill Height: Greater Than 6 m, not exceeding 7.5 m				Type 6 Fill Height: Greater Than 7.5 m, not exceeding 9 m				Type 7 Fill Height: Greater Than 9 m, not exceeding 10.5 m	
mm	PVC	CPVC	PVCPW -794	PVCPW -304	PVC	CPVC	PVCPW -794	PVCPW -304	PVC	
250	X	*	NA	NA	X	*	NA	NA	X	
300	X	X	X	X	X	X	X	X	X	
375	X	X	X	X	X	NA	NA	NA	X	
450	X	X	X	X	X	NA	NA	NA	X	
525	X	X	X	X	X	NA	NA	NA	X	
600	X	X	X	X	X	NA	NA	NA	X	
750	X	NA	NA	NA	X	NA	NA	NA	X	
900	X	NA	NA	NA	X	NA	NA	NA	X	
1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1200	NA	NA	NA	NA	NA	NA	NA	NA	NA	

PVC	Polyvinyl Chloride (PVC) Pipe
CPVC	Corrugated Polyvinyl Chloride (PVC) Pipe with a Smooth Interior
PVCPW-794	Polyvinyl Chloride (PVC) Profile Wall Pipe-794
PVCPW-304	Polyvinyl Chloride (PVC) Profile Wall Pipe-304
X	This material may be used for the given pipe diameter and fill height.
NA	This material is Not Acceptable for the given pipe diameter and fill height.
*	May be used if Bureau of Materials and Physical Research approves and with manufacturer's certification."

Add the following paragraph to the end of Article 542.04(d) of the Standard Specifications:

"PVC and PE pipes shall be joined according to the manufacturer's specifications."

Revise the second paragraph of Article 542.04(f) of the Standard Specifications to read:

"When using flexible pipe, as listed in the first table of Article 542.03, the aggregate shall be continued to a height of at least 1 ft (300 mm) above the top of the pipe and compacted to a minimum of 95 percent of standard lab density by mechanical means."

Revise the first paragraph of Article 542.04(i) of the Standard Specifications to read:

"(i) Deflection Testing for Pipe Culverts. All PE and PVC pipe culverts shall be tested for deflection not less than 30 days after the pipe is installed and the backfill compacted. The testing shall be performed in the presence of the Engineer."

Revise the ninth paragraph of Article 542.11 of the Standard Specifications to read:

"End sections for polyvinylchloride (PVC) and polyethylene (PE) culvert pipes will be paid for at the contract unit price per each for METAL END SECTIONS, of the diameter specified."

Revise Article 1040.04(b) of the Standard Specifications to read:

"(b) Corrugated PE Pipe with a Smooth Interior. The pipe shall be according to AASHTO M 294 (nominal size – 12 to 48 in. (300 to 1200 mm)). The pipe shall be Type S or D."

Revise the first paragraph of Article 1040.04(c) of the Standard Specifications to read:

"(c) PE Profile Wall Pipe. The pipe shall be according to ASTM F 894 and shall have a minimum ring stiffness constant of 160. The pipe shall also have a minimum cell classification of PE 334433C as defined in ASTM D 3350."

80232

POST CLIPS FOR EXTRUDED ALUMINUM SIGNS (BDE)

Effective: January 1, 2009

Revise the sixth paragraph of Article 1090.03 of the Standard Specifications to read:

"Stainless steel post clips shall be according to ASTM A 276, Type 304. In place of stainless steel post clips the manufacturer may substitute aluminum post clips according to ASTM B 108, 356-T6. A flat washer shall be used under each nut to prevent gouging of the clip."

80217

POST MOUNTING OF SIGNS (BDE)

Effective: January 1, 2011

Revise the second paragraph of Article 701.14 of the Standard Specifications to read:

"Post mounted signs shall be a breakaway design. The sign shall be within five degrees of vertical. Two posts shall be used for signs greater than 16 sq ft (1.5 sq m) in area or where the height between the sign and the ground exceeds 7 ft (2.1 m)."

80268

PRECAST CONCRETE HANDLING HOLES (BDE)

Effective: January 1, 2007

Add the following to Article 540.02 of the Standard Specifications:

"(g) Handling Hole Plugs.....1042.16"

Add the following paragraph after the sixth paragraph of Article 540.06 of the Standard Specifications:

"Handling holes shall be filled with a precast concrete plug and sealed with mastic or mortar, or filled with a polyethylene plug. The plug shall not project beyond the inside surface after installation. When metal lifting inserts are used, their sockets shall be filled with mastic or mortar."

Add the following to Article 542.02 of the Standard Specifications:

"(ee) Handling Hole Plugs .....1042.16"

Revise the fifth paragraph of Article 542.04(d) of the Standard Specifications to read:

"Handling holes in concrete pipe shall be filled with a precast concrete plug and sealed with mastic or mortar; or filled with a polyethylene plug. The plug shall not project beyond the inside surface after installation."

Add the following to Article 550.02 of the Standard Specifications:

"(o) Handling Hole Plugs.....1042.16"

Replace the fourth sentence of the fifth paragraph of Article 550.06 of the Standard Specifications with the following:

"Handling holes in concrete pipe shall be filled with a precast concrete plug and sealed with mastic or mortar; or filled with a polyethylene plug. The plug shall not project beyond the inside surface after installation."

Add the following to Article 602.02 of the Standard Specifications:

"(p) Handling Hole Plugs..... 1042.16(a)"

Replace the fifth sentence of the first paragraph of Article 602.07 of the Standard Specifications with the following:

"Handling holes shall be filled with a precast concrete plug and sealed with mastic or mortar. The plug shall not project beyond the inside surface after installation. When metal lifting inserts are used, their sockets shall be filled with mastic or mortar."

Add the following to Section 1042 of the Standard Specifications:

"**1042.16 Handling Hole Plugs.** Plugs for handling holes in precast concrete products shall be as follows.

(a) Precast Concrete Plug. The precast concrete plug shall have a tapered shape and shall have a minimum compressive strength of 3000 psi (20,700 kPa) at 28 days.

(b) Polyethylene Plug. The polyethylene plug shall have a "mushroom" shape with a flat round top and a stem with three different size ribs. The plug shall fit snuggly and cover the handling hole.

The plug shall be according to the following.

Mechanical Properties	Test Method	Value (min.)
Flexural Modulus	ASTM D 790	3300 psi (22,750 kPa)
Tensile Strength (Break)	ASTM D 638	1600 psi (11,030 kPa)
Tensile Strength (Yield)	ASTM D 638	1200 psi (8270 kPa)

Thermal Properties	Test Method	Value (min.)
Brittle Temperature	ASTM D 746	-49 °F (-45 °C)
Vicat Softening Point	ASTM D 1525	194 °F (90 °C)"

80171

PUBLIC CONVENIENCE AND SAFETY (BDE)

Effective: January 1, 2000

Add the following paragraph after the fourth paragraph of Article 107.09 of the Standard Specifications:

"On weekends, excluding holidays, roadways with Average Daily Traffic of 25,000 or greater, all lanes shall be open to traffic from 3:00 P.M. Friday to midnight Sunday except where structure construction or major rehabilitation makes it impractical."

80015

RAISED REFLECTIVE PAVEMENT MARKERS (BDE)

Effective: November 1, 2009
| Revised: April 1, 2010

| Revise the first sentence of the second paragraph of Article 781.03(a) of the Standard Specifications to read:

"The pavement shall be cut to match the bottom contour of the marker using a concrete saw fitted with 18 and 20 in. (450 and 500 mm) diameter blades."

80247

RECLAIMED ASPHALT PAVEMENT (RAP) (BDE)

Effective: January 1, 2007
Revised: January 1, 2011

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) Fractionated RAP (FRAP). FRAP shall consist of RAP from Class I, Superpave (High ESAL), HMA (High ESAL), or equivalent mixtures. The coarse aggregate in FRAP shall be crushed aggregate and may represent more than one aggregate type and/or quality but shall be at least C quality. All FRAP shall be fractionated prior to testing by screening into a minimum of two size fractions with the separation occurring on or between the #4 (4.75 mm) and 1/2 in. (12.5 mm) sieves. Agglomerations shall be minimized such that 100 percent of the RAP in the coarse fraction shall pass one sieve size larger than the maximum sieve size specified for the mix the RAP will be used in.

(b) 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.

(c) 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.

(d) 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.

(e) Non-Quality. RAP stockpiles that do not meet the requirements of the stockpile categories listed above shall be classified as "Non-Quality".

RAP/FRAP 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/FRAP 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/FRAP 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	FRAP/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 % 1/	± 0.5 %
G_{mm}	± 0.03	

1/ The tolerance for 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/FRAP shall not be used in HMA unless the RAP/FRAP 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/FRAP.

(a) The aggregate quality of the RAP for homogenous, conglomerate, and conglomerate "D" quality stockpiles shall be set by the lowest quality of coarse aggregate in the RAP stockpile and are designated as follows.

(1) RAP from Class I, Superpave (High ESAL)/HMA (High ESAL), or HMA (Low ESAL) IL-9.5L surface mixtures are designated as containing Class B quality coarse aggregate.

(2) RAP from Superpave (Low ESAL)/HMA (Low ESAL) IL-19.0L binder mixture is designated as Class D quality coarse aggregate.

(3) 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.

(4) RAP from bituminous stabilized subbase and BAM shoulders are designated as containing Class D quality coarse aggregate.

(b) The aggregate quality of FRAP shall be determined as follows.

(1) If the Engineer has documentation of the quality of the FRAP aggregate, the Contractor shall use the assigned quality provided by the Engineer. If the quality is not known, the quality shall be determined according to Article 1031.04(b)(2).

(2) Fractionated stockpiles containing plus #4 (4.75 mm) sieve coarse aggregate shall have a maximum tonnage of 5000 tons (4500 metric tons). The Contractor shall obtain a representative sample witnessed by the Engineer. The sample shall be a minimum of 50 lb (25 kg). The sample shall be extracted according to Illinois Modified AASHTO T 164 by a consultant prequalified by the Department for the specified testing. The consultant shall submit the test results along with the recovered aggregate to the District Office. The cost for this testing shall be paid by the Contractor. The District will forward the sample to the BMPR Aggregate Lab for MicroDeval Testing, according to Illinois Modified AASHTO T 327. A maximum loss of 15.0 percent will be applied for all HMA applications."

1031.05 Use of RAP/FRAP in HMA. The use of RAP/FRAP shall be a Contractor's option when constructing HMA in all contracts. The use of RAP/FRAP 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/FRAP stockpiles for use in HMA surface mixtures (High and Low ESAL) shall be FRAP or 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/FRAP stockpiles for use in HMA binder mixtures (High and Low ESAL), HMA base course, and HMA base course widening shall be FRAP, homogeneous, or conglomerate, in which the coarse aggregate is Class C quality or better.

(e) Use in Shoulders and Subbase. RAP/FRAP stockpiles for use in HMA shoulders and stabilized subbase (HMA) shall be FRAP, 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 [1/, 3/]	Maximum % RAP		
Ndesign	Binder/Leveling	Surface	Polymer

	Binder		Modified
30	30	30	10
50	25	15	10
70	15 / 25 [2/]	10 / 15 [2/]	10
90	10	10	10
105	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

HMA Mixtures [1/, 2/]	Maximum % FRAP		
Ndesign	Binder/Leveling Binder	Surface	Polymer Modified
30	35	35	10
50	30	25	10
70	25	20	10

90	20	15	10
105	10	10	10

1/ For HMA shoulder and stabilized subbase (HMA) N30, the amount of FRAP shall not exceed 50 percent of the mixture.

2/ When FRAP exceeds 20 percent, the high and low virgin asphalt binder grades shall each 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 PG58-28). 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/FRAP material meeting the above detailed requirements.

RAP/FRAP designs shall be submitted for volumetric verification. If additional RAP/FRAP 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/FRAP stockpile and HMA mix design, and meets all of the requirements herein, the additional RAP/FRAP 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, gator, 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/FRAP control tolerances or QC/QA test results require corrective action, the Contractor shall cease production of the mixture containing RAP/FRAP and either switch to the virgin aggregate design or submit a new RAP/FRAP design.

HMA plants utilizing RAP/FRAP 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/FRAP 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/FRAP material as a percent of the total mix to the nearest 0.1 percent.

(8) Aggregate and RAP/FRAP moisture compensators in percent as set on the control panel. (Required when accumulated or individual aggregate and RAP/FRAP 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/FRAP weight to the nearest pound (kilogram).

(6) Virgin asphalt binder weight to the nearest pound (kilogram).

(7) Residual asphalt binder in the RAP/FRAP 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 "Non-Quality" and "FRAP". 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."

80172

SEEDING (BDE)

Effective: July 1, 2004
Revised: July 1, 2010

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)
1A	Salt Tolerant Lawn Mixture 7/	Bluegrass Perennial Ryegrass Red Fescue (Audubon, Sea Link, or Epic) Hard Fescue (Rescue 911, Spartan II, or Reliant IV) Fults Salt Grass 1/ or Salty Alkaligrass	60 (70) 20 (20) 20 (20) 20 (20) 60 (70)
2	Roadside Mixture 7/	Tall Fescue (Inferno, Tarheel II, Quest, Blade Runner, or Falcon IV) Perennial Ryegrass Creeping Red Fescue Red Top	100 (110) 50 (55) 40 (50) 10 (10)
2A	Salt Tolerant Roadside Mixture 7/	Tall Fescue (Inferno, Tarheel II, Quest, Blade Runner, or Falcon IV) Perennial Ryegrass Red Fescue (Audubon, Sea Link, or Epic) Hard Fescue (Rescue 911, Spartan II, or Reliant IV) Fults Salt Grass 1/ or Salty Alkaligrass	60 (70) 20 (20) 30 (20) 30 (20) 60 (70)
3	Northern Illinois Slope Mixture 7/	Elymus Canadensis (Canada Wild Rye) Perennial Ryegrass Alsike Cover 2/ Desmanthus Illinoensis (Illinois Bundleflower) 2/, 5/ Andropogon Scoparius (Little Bluestem) 5/ Bouteloua Curtipendula (Side-Oats Grama) Fults Salt Grass 1/ or Salty Alkaligrass Oats, Spring Slender Wheat Grass 5/ Buffalo Grass (Cody or Bowie) 4/, 5/, 9/	5 (5) 20 (20) 5 (5) 2 (2) 12 (12) 10 (10) 30 (35) 50 (55) 15 (15) 5 (5)

"Table 1 - SEEDING MIXTURES			
6A	Salt Tolerant Conservation Mixture	Andropogon Scoparius (Little Bluestem) 5/	5 (5)
		Elymus Canadensis (Canada Wild Rye) 5/	2 (2)
		Buffalo Grass (Cody or Bowie) 4/, 5/, 9/	5 (5)
		Vernal Alfalfa 2/	15 (15)
		Oats, Spring	48 (55)
		Fults Salt Grass 1/ or Salty Alkaligrass	20 (20)"

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 the first paragraph of Article 1081.04(a) of the Standard Specifications to read:

"(a) Sampling and Testing. Each lot of seed furnished shall be tested by a State Agriculture Department (including other States) or by land grant college or university agricultural sections or by a Registered Seed Technologist. Germination testing of seed shall be accomplished within the 12 months prior to the seed being installed on the project."

Delete the last sentence of the first paragraph of Article 1081.04(c)(2) of the Standard Specifications.

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

TABLE II						
Variety of Seeds	Hard Seed % Max.	Purity % Min.	Pure Live Seed % Min.	Weed % Max.	Secondary * Noxious Weeds No. per oz (kg) Max. Permitted	Notes
Alfalfa	20	92	89	0.50	6 (211)	1/

TABLE II						
Variety of Seeds	Hard Seed % Max.	Purity % Min.	Pure Live Seed % Min.	Weed % Max.	Secondary * Noxious Weeds No. per oz (kg) Max. Permitted	Notes
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)	-
Salty Alkaligrass	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."

80131

SELF-CONSOLIDATING CONCRETE FOR CAST-IN-PLACE CONSTRUCTION (BDE)

Effective: November 1, 2005
Revised: July 1, 2010

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

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

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

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

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

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

(c) The slump requirements shall not apply.

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

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

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

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

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

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

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

Mix Design Submittal. The Contractor's Level III PCC Technician shall submit a mix design according to the "Portland Cement Concrete Level III Technician" course manual, except target slump information is not applicable and will not be required. However, a target slump flow shall be submitted.

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

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

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

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

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

Upon review of the test data from the trial batch, the Engineer will verify or deny the use of the mix design and notify the Contractor.

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

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

Mixing Portland Cement Concrete. In addition to Article 1020.11 of the Standard Specifications, the mixing time for central-mixed concrete shall not be reduced as a result of a mixer

performance test. Truck-mixed or shrink-mixed concrete shall be mixed in a truck mixer for a minimum of 100 revolutions.

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

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

Falsework and Forms. In addition to Articles 503.05 and 503.06 of the Standard Specifications, the Contractor shall ensure the design of the falsework and forms is adequate for the additional form pressure caused by the fluid concrete. Forms shall be tight to prevent leakage of fluid concrete.

When the form height for placing the self-consolidating concrete is greater than 10.0 ft (3.0 m), direct monitoring of form pressure shall be performed according to Illinois Test Procedure SCC-10. The monitoring requirement is a minimum, and the Contractor shall remain responsible for adequate design of the falsework and forms. The Contractor shall record the formwork pressure during concrete placement. This information shall be used by the Contractor to prevent the placement rate from exceeding the maximum formwork pressure allowed, to monitor the thixotropic change in the concrete during the pour, and to make appropriate adjustments to the mix design. This information shall be provided to the Engineer during the pour.

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

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

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

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

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

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

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

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

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

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

The hardened visual stability index test shall be performed on the first truck delivery of the day, and every 300 cu yd (230 cu m) thereafter. Slump flow, visual stability index, J-ring value or L-box blocking ratio, air content, and concrete temperature shall be recorded for each hardened visual stability index test.

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

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

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

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

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

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

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

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

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

80152

SELF-CONSOLIDATING CONCRETE FOR PRECAST PRODUCTS (BDE)

Effective: July 1, 2004
Revised: July 1, 2010

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

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

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

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

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

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

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

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

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

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

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

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

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

Mixing Portland Cement Concrete. In addition to Article 1020.11 of the Standard Specifications, the mixing time for central-mixed concrete shall not be reduced as a result of a mixer

performance test. Truck-mixed or shrink-mixed concrete shall be mixed in a truck mixer for a minimum of 100 revolutions.

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

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

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

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

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

80132

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.

80143

TEMPORARY EROSION CONTROL (BDE)

Effective: November 1, 2002
Revised: January 1, 2011

Add the following to Article 280.02 of the Standard Specifications to read:

"(k) Filter Fabric 1080.03
(l) Urethane Foam/Geotextile ..... 1081.15(i)"

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."

Revise Article 280.04(a) of the Standard Specifications to read:

"(a) Temporary Ditch Checks. This system consists of the construction of temporary ditch checks to prevent siltation, erosion, or scour of ditches and drainage ways. Temporary ditch checks shall be constructed with products from the Department's approved list, rolled excelsior, or with aggregate placed on filter fabric when specified. Filter fabric shall be installed according to the requirements of Section 282. Riprap shall be placed according to Article 281.04. Manufactured ditch checks shall be installed according to the manufacturer's specifications. Spacing of ditch checks shall be such that the low point in the center of one ditch check is at the same elevation as the base of the ditch check immediately upstream. Temporary ditch checks shall be sufficiently long enough that the top of the device in the middle of the ditch is 6 in. (150 mm) lower than the bottom of the terminating ends of the ditch side slopes.

When rolled excelsior is used, each ditch check shall be installed and maintained such that the device is no less than 10 in. (250 mm) high at the point of overflow. Units installed at a spacing requiring a height greater than 10 in. (250 mm) shall be maintained at the height for the spacing at which they were originally installed."

Revise the last sentence of the first paragraph Article 280.04(b) of the Standard Specifications to read:

"The barrier shall be constructed with rolled excelsior, silt filter fence, or urethane foam/geotextiles."

Revise the last sentence of the first paragraph of Article 280.04(g) of the Standard Specifications to read:

"The temporary mulch cover shall be installed according to Article 251.03 except for any reference to seeding."

Add the following to Article 280.04 of the Standard Specifications:

(h) Temporary Erosion Control Blanket. This system consists of temporarily installing erosion control blanket or heavy duty erosion control blanket over areas that are to be reworked during a later construction phase. Work shall be according to Article 251.04 except references to seeding and fertilizer shall not apply. When an area is to be reworked more than once, the blanket shall be carefully removed, properly stored, and then reinstalled over the same area."

Revise Article 280.07(b) of the Standard Specifications to read:

"(b) Temporary Ditch Checks. This work will be measured for payment along the long axis of the device in place in feet (meters) except for aggregate ditch checks which will be measured for payment in tons (metric tons). Payment will not be made for aggregate in excess of 108 percent of the amount specified by the Engineer."

Revise Article 280.07(f) of the Standard Specifications to read:

"(f) Temporary Mulch. This work will be measured for payment according to Article 251.05(b)."

Add the following to Article 280.07 of the Standard Specifications:

"(g) Temporary Erosion Control Blanket. This work will be measured for payment in place in square yards (square meters) of actual surface covered.

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."

Revise Article 280.08(b) of the Standard Specifications to read:

"(b) Temporary Ditch Checks. This work will be paid for at the contract unit price per foot (meter) for TEMPORARY DITCH CHECKS except for aggregate ditch checks which will be paid for at the contract unit price per ton (metric ton) for AGGREGATE DITCH CHECKS."

Revise Article 280.08(f) of the Standard Specifications to read:

"(f) Temporary Mulch. Temporary Mulch will be paid for according to Article 251.06."

Add the following to Article 280.08 of the Standard Specifications:

"(g) Temporary Erosion Control Blanket. Temporary Erosion Control Blanket will be paid for at the contract unit price per square yard (square meter) for TEMPORARY EROSION CONTROL BLANKET or TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET.

The work of removing, storing, and reinstalling the blanket over areas to be reworked more than once will not be paid for separately but shall be included in the cost of the temporary erosion control blanket or temporary heavy duty erosion control blanket."

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

Revise the second sentence of the first paragraph of Article 1081.15(e) of the Standard Specifications to read:

"The upstream facing of the aggregate ditch check shall be constructed of gradation CA 3. The remainder of the ditch check shall be constructed of gradation RR 3."

Revise Article 1081.15(f) of the Supplemental Specifications to read:

"(f) Rolled Excelsior. Rolled excelsior shall consist of an excelsior fiber filling totally encased inside netting and sealed with metal clips or knotted at the ends. The fiber density shall be a minimum of 1.24 lb/cu ft (20 kg/cu m) based on a moisture content of 22 percent at manufacturing. The netting shall be composed of a polyester or polypropylene material which retains 70 percent of its strength after 500 hours of exposure to sunlight. The maximum opening of the net shall be 1 x 1 in. (25 x 25 mm)."

Add the following to Article 1081.15 of the Standard Specifications:

"(i) Urethane Foam/Geotextile. Urethane foam/geotextile shall be triangular shaped having a minimum height of 10 in. (250 mm) in the center with equal sides and a minimum 20 in. (500 mm) base. The triangular shaped inner material shall be a low density urethane foam. The outer cover shall be a woven geotextile fabric placed around the inner material and allowed to extend beyond both sides of the triangle a minimum of 18 in. (450 mm).

(1) The geotextile shall meet the following properties:

Property	Value	Test Method
Grab Tensile Strength lb (N) (min.)	124 (550) min.	ASTM D 4632
Grab Elongation @ Brake (percent)	15 min.	ASTM D 4632
Burst Strength psi (kPa)	280 (1930) min.	ASTM D 3786
AOS (Sieve No.)	30 min.	ASTM D 4751
UV Resistance (500 hours) (percent)	80 min.	ASTM D 4355

(2) The urethane foam shall meet the following properties:

Property	Value	Test Method
Density lb/cu ft (kg/cu m)	1.0 ± 0.1 (16.0 ± 1.6)	ASTM D 3574
Tensile Strength psi (kPa)	10 (70) min.	ASTM D 3574
Elongation (percent)	125 min.	ASTM D 3574
Tear Resistance lb/in. (N/mm)	1.25 (0.22)	ASTM D 3574"

80087

TRAFFIC BARRIER TERMINAL, TYPE 6 (BDE)

Effective: January 1, 2010

Delete the fourth paragraph of Article 631.07 of the Standard Specifications.

80257

REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS

ATTACHMENTS

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

I. GENERAL

1. These contract provisions shall apply to all word 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 advised 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 that 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 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 tie 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.

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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.

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.

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.