BID PROPOSAL INSTRUCTIONS

ABOUT IDOT PROPOSALS: All proposals are potential bidding proposals. Each proposal contains all certifications and affidavits, a proposal signature sheet and a proposal bid bond.

PREQUALIFICATION

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

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.

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 124) 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.

WHAT CONSTITUTES WRITTEN AUTHORIZATION TO BID?

When a prospective prime bidder submits a "Request for Authorization to Bid/or Not For Bid Status"(BDE 124) 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 and the Chief Procurement Officer 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 to Bid or Not For Bid Report within a reasonable time of complete and correct original document submittal should contact the Department as to the status. 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 bidder'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 or revision will be included with the Electronic Plans and Proposals. 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 service emails are an added courtesy the Department provides. It is suggested that bidders check IDOT's website at http://www.idot.illinois.gov/doing-business/procurements/construction-services/construction-bulletins/transportation-bulletin/index#TransportationBulletin 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 DOT.D&Econtracts@illlinois.gov

Technical questions about downloading these files may be directed to Tim Garman at (217)524-1642 or Timothy.Garman@illinois.gov.

STANDARD GUIDELINES FOR SUBMITTING BIDS

- All pages should be single sided.
- Use the Cover Page that is provided in the Bid Proposal (posted on the IDOT Web Site) as the first page of your submitted bid. It has the item number in large bold type in the upper left-hand corner and lines provided for your company name and address in the upper right-hand corner.
- Do not use report covers, presentation folders or special bindings and do not staple multiple times on left side like a book. Use only 1 staple in the upper left hand corner. Make sure all elements of your bid are stapled together including the bid bond or guaranty check (if required).
- Do not include any certificates of eligibility, your authorization to bid, Addendum Letters or affidavit of availability.
- Do not include the Subcontractor Documentation with your bid (pages i – iii and pages a – g). This documentation is required only if you are awarded the project.
- Use the envelope cover sheet (provided with the proposal) as the cover for the proposal envelope.
- Do not rely on overnight services to deliver your proposal prior to 10 AM on letting day. It will not be read if it is delivered after 10 AM.
- Do not submit your Substance Abuse Prevention Program (SAPP) with your bid. If you are awarded the contract this form is to be submitted to the district engineer at the pre-construction conference.

BID SUBMITTAL CHECKLIST

☐ **Cover page** (the sheet that has the item number on it) **–** This should be the first page of your bid proposal, **followed by your bid (the Schedule of Prices/Pay Items).** If you are using special software or CBID to generate your schedule of prices, do not include the blank pages of the schedule of prices that came with the proposal package.

☐ **Page 4 (Item 9)** – Check "YES" if you will use a subcontractor(s) with an annual value over $50,000. Include the subcontractor(s) name, address, general type of work to be performed and the dollar amount. If you will use subcontractor(s) but are uncertain who or the dollar amount; check "YES" but leave the lines blank.

☐ **After page 4 –** Insert the following documents: The I**llinois Office Affidavit** (Not applicable to federally funded projects) followed by Cost Adjustments for Steel, Bituminous and Fuel (if applicable) and the Contractor Letter of Assent (if applicable). The general rule should be, if you don't know where it goes, put it after page 4.

☐ **Page 10 (Paragraph J)** – Check "YES" or "NO" whether your company has any business in Iran.

☐ **Page 10 (Paragraph K)** – (Not applicable to federally funded projects) List the name of the apprenticeship and training program sponsor holding the certificate of registration from the US Department of Labor. If no applicable program exists, please indicate the work/job category. Do not include certificates with your bid. Keep the certificates in your office in case they are requested by IDOT.

☐ **Page 11 (Paragraph L)** – A copy of your State Board of Elections certificate of registration is no longer required with your bid.

☐ **Page 11 (Paragraph M)** – Indicate if your company has hired a lobbyist in connection with the job for which you are submitting the bid proposal.

☐ **Page 12 (Paragraph C)** – This is a work sheet to determine if a completed Form A is required. It is not part of the form and you do not need to make copies for each completed Form A.

☐ **Pages 14-17 (Form A)** – One Form A (4 pages) is required for each applicable person in your company. Copies of the forms can be used and only need to be changed when the information changes. The certification signature and date must be original for each letting. **Do not staple the forms together**. If you answered "NO" to all of the questions in Paragraph C (page 12), complete the first section (page 14) with your company information and then sign and date the Not Applicable statement on page 17.

☐ **Page 18 (Form B)** - If you check "YES" to having other current or pending contracts it is acceptable to use the phrase, "See Affidavit of Availability on file". **Ownership Certification** (at the bottom of the page) - Check N/A if the Form A(s) you submitted accounts for 100 percent of the company ownership. Check YES if any percentage of ownership falls outside of the parameters that require reporting on the Form A. Checking NO indicates that the Form A(s) you submitted is not correct and you will be required to submit a revised Form A.

☐ **Page 20 (Workforce Projection)** – Be sure to include the Duration of the Project. It is acceptable to use the phrase "Per Contract Specifications".

☐ **Proposal Bid Bond –** (Insert after the proposal signature page) Submit your proposal Proposal Bid Bond (if applicable) using the current Proposal Bid Bond form provided in the proposal package. The Power of Attorney page should be stapled to the Proposal Bid Bond. If you are using an electronic bond, include your bid bond number on the Proposal Bid Bond and attach the Proof of Insurance printed from the Surety's Web Site.

☐ **Disadvantaged Business Utilization Plan and/or Good Faith Effort –** The last items in your bid should be the DBE Utilization Plan (SBE 2026), followed by the DBE Participation Statement (SBE 2025) and supporting paperwork. If you have documentation of a Good Faith Effort, it is to follow the SBE Forms.

The Bid Letting is now available in streaming Audio/Video from the IDOT Web Site. A link to the stream will be placed on the main page of the current letting on the day of the Letting. The stream will not begin until 10 AM. The actual reading of the bids does not begin until approximately 10:30 AM.

Following the Letting, the As-Read Tabulation of Bids will be posted by the end of the day. You will find the link on the main Web page for the current letting.

QUESTIONS: pre-letting up to execution of the contract

Contractor pre-qualification	217-782-3413
Small Business, Disadvantaged Business Enterprise (DBE)	217-785-4611
Contracts, Bids, Letting process or Internet downloads	217-782-7806
Estimates Unit	217-785-3483
Aeronautics	217-785-8515
IDNR (Land Reclamation, Water Resources, Natural Resources)	217-782-6302

QUESTIONS: following contract execution

Subcontractor documentation, payments	217-782-3413
Railroad Insurance	217-785-0275

RETURN WITH BID

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Proposal Submitted By
Name
Address
City

Letting November 21, 2014

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.
BIDDERS NEED NOT RETURN THE ENTIRE PROPOSAL

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

Illinois Department of Transportation

Springfield, Illinois 62764

Contract No. 87345
KENDALL County
Section 03-00031-00-FP (Yorkville)
Route FAU 1550 (Game Farm Road)
Project M-8003(810)
District 3 Construction Funds

PLEASE MARK THE APPROPRIATE BOX BELOW:

☐ A Bid Bond is included.

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

☐ An Annual Bid Bond is included or is on file with IDOT.

Prepared by

Checked by F

(Printed by authority of the State of Illinois)

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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. 87345
KENDALL County
Section 03-00031-00-FP (Yorkville)
Project M-8003(810)
Route FAU 1550 (Game Farm Road)
District 3 Construction Funds

Reconstruction from US 34 to Somonauk St. continuing on Somonauk St. from Game Farm Rd. to Church St; pavement widening, curb & gutter, storm sewer, sidewalks, multi-use path, traffic signals, pavement markings and water main improvements, located in the city of Yorkville.

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 will govern performance and payments.

3. **ASSURANCE OF EXAMINATION AND INSPECTION/WAIVER.** The undersigned bidder 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 bid proposal he/she waives all right to plead any misunderstanding regarding the same.

4. **EXECUTION OF CONTRACT AND CONTRACT BOND.** The undersigned bidder 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, or as specified in the special provisions, 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 bid proposals will be made payable to the Treasurer, State of Illinois.

If a combination bid is submitted, the proposal guaranties which accompany the individual bid 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 will fail to execute a contract bond as required herein, it is hereby agreed that the amount of the proposal guaranty will 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 will become void or the proposal guaranty check will 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 bid proposals, the amount must be equal to the sum of the proposal guaranties which would be required for each individual bid proposal. If the guaranty check is placed in another bid proposal, state below where it may be found.

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

Item _____

Section No. _____

County _____

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

6. **COMBINATION BIDS.** The undersigned bidder 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 contract 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 will 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 (the 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. **EXECUTION OF CONTRACT**: The Department of Transportation will, in accordance with the rules governing Department procurements, execute the contract and shall be the sole entity having the authority to accept performance and make payments under the contract. Execution of the contract by the Chief Procurement Officer (CPO) or the State Purchasing Officer (SPO) is for approval of the procurement process and execution of the contract by the Department. Neither the CPO nor the SPO shall be responsible for administration of the contract or determinations respecting performance or payment there under except as otherwise permitted in the Code.

10. **The services of a subcontractor will be used.**

Check box Yes ☐
Check box No ☐

For known subcontractors with subcontracts with an annual value of more than $50,000, the contract shall include their name, address, general type of work to be performed, and the dollar allocation for each subcontractor. (30 ILCS 500/20-120)

STATE JOB #- C-93-055-07
PPS NBR -

SCHEDULE OF PRICES
CONTRACT NUMBER - 87345

RUN DATE - 10/14/14
RUN TIME - 183117

COUNTY NAME	CODE	DIST	SECTION NUMBER	PROJECT NUMBER	ROUTE
KENDALL	093	03	03-00031-00-FP (YORKVILLE)	M-8003/810/000	FAU 1550

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE DOLLARS	UNIT PRICE CENTS	TOTAL PRICE DOLLARS	TOTAL PRICE CTS
XX001470	SAN SERVICE CONN	EACH	3.000 X		=		
XX002133	RELOCATE SIGN & BASE	EACH	1.000 X		=		
XX002856	RE-OPTIMIZE TR SIG SY	L SUM	1.000 X		=		
XX004689	SAN SERVICE ADJUSTED	EACH	2.000 X		=		
XX005833	TREE PROTECT, SPECIAL	L SUM	1.000 X		=		
XX006253	SAN MH 4 DIA	EACH	1.000 X		=		
XX006653	FENCE (SPECIAL)	FOOT	162.000 X		=		
XX007289	JOINT SEALANT SPECIAL	FOOT	10,406.000 X		=		
XX007981	TEMP FENCE 6 CHAIN LK	FOOT	2,074.000 X		=		
X0322936	REMOV EX FLAR END SEC	EACH	3.000 X		=		
X0323256	REM & REL FLAGPOLE	EACH	1.000 X		=		
X0323443	PREC MOD RET WALL	SQ FT	786.000 X		=		
X0325207	TV INSPECT OF SEWER	FOOT	4,705.000 X		=		
X0327312	POLYETHYLENE WRAP 8"	FOOT	615.000 X		=		
X2130010	EXPLOR TRENCH SPL	FOOT	235.000 X		=		

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		UNIT PRICE DOLLARS	UNIT PRICE CENTS		TOTAL PRICE DOLLARS	TOTAL PRICE CTS
X4021000	TEMP ACCESS- PRIV ENT	EACH	33.000	X			=		
X4022000	TEMP ACCESS- COM ENT	EACH	6.000	X			=		
X4023000	TEMP ACCESS- ROAD	EACH	1.000	X			=		
X5610004	D I WTR MN FITTINGS	POUND	948.000	X			=		
X5610651	ABAN EX WM FILL CLSM	FOOT	84.000	X			=		
X5610748	WM LINE STOP 8	EACH	2.000	X			=		
X5620116	WATER SER CONN (SHRT)	EACH	3.000	X			=		
X5630008	CUT & CAP EX 8 WM	EACH	2.000	X			=		
X5630708	CONN TO EX W MAIN 8	EACH	1.000	X			=		
X6025602	MAN ADJ F&G SPL	EACH	1.000	X			=		
X6026051	SAN MAN RECONST	EACH	1.000	X			=		
X7010216	TRAF CONT & PROT SPL	L SUM	1.000	X			=		
X7240205	REMOV SIGN COMPLETE	EACH	2.000	X			=		
X8730250	ELCBL C 20 3C TW SH	FOOT	489.000	X			=		
X8860100	LOOP DET TESTING	EACH	1.000	X			=		

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		UNIT PRICE DOLLARS		TOTAL PRICE DOLLARS	CTS
X8950114	MOD EX CONTR & CAB	EACH	1.000	X		=		
Z0004510	HMA DRIVEWAY PAVT 3	SQ YD	752.000	X		=		
Z0004514	HMA DRIVEWAY PAVT 4	SQ YD	609.000	X		=		
Z0016702	DETOUR SIGNING	L SUM	1.000	X		=		
Z0022800	FENCE REMOVAL	FOOT	785.000	X		=		
Z0044500	PRESS CONNECT 6X6	EACH	1.000	X		=		
Z0044800	PRESS CONNECT 8X8	EACH	2.000	X		=		
Z0045002	PRESS CONNECT 12X8	EACH	1.000	X		=		
Z0056608	STORM SEW WM REQ 12	FOOT	258.000	X		=		
Z0056610	STORM SEW WM REQ 15	FOOT	54.000	X		=		
Z0056616	STORM SEW WM REQ 24	FOOT	408.000	X		=		
Z0056618	STORM SEW WM REQ 27	FOOT	38.000	X		=		
Z0056900	SAN SEW 8	FOOT	129.000	X		=		
Z0069100	STONE MASONRY WALL	FOOT	34.000	X		=		
Z0076600	TRAINEES	HOUR	1,000.000	X	0.80	=	800.00	

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		UNIT PRICE DOLLARS	UNIT PRICE CENTS		TOTAL PRICE DOLLARS	TOTAL PRICE CTS
Z0076604	TRAINEES TPG	HOUR	1,000.000	X	15	.00	=	15,000	.00
20100110	TREE REMOV 6-15	UNIT	296.000	X			=		
20100210	TREE REMOV OVER 15	UNIT	290.000	X			=		
20101000	TEMPORARY FENCE	FOOT	230.000	X			=		
20101100	TREE TRUNK PROTECTION	EACH	22.000	X			=		
20101200	TREE ROOT PRUNING	EACH	22.000	X			=		
20200100	EARTH EXCAVATION	CU YD	19,209.000	X			=		
20201200	REM & DISP UNS MATL	CU YD	4,496.000	X			=		
20800150	TRENCH BACKFILL	CU YD	2,912.000	X			=		
20900110	POROUS GRAN BACKFILL	CU YD	37.000	X			=		
21001000	GEOTECH FAB F/GR STAB	SQ YD	19,181.000	X			=		
21101615	TOPSOIL F & P 4	SQ YD	17,318.000	X			=		
25000210	SEEDING CL 2A	ACRE	3.610	X			=		
25000400	NITROGEN FERT NUTR	POUND	325.000	X			=		
25000500	PHOSPHORUS FERT NUTR	POUND	325.000	X			=		

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		UNIT PRICE DOLLARS	UNIT PRICE CENTS		TOTAL PRICE DOLLARS	TOTAL PRICE CTS
25000600	POTASSIUM FERT NUTR	POUND	325.000	X			=		
25100630	EROSION CONTR BLANKET	SQ YD	180.000	X			=		
28000250	TEMP EROS CONTR SEED	POUND	1,083.000	X			=		
28000400	PERIMETER EROS BAR	FOOT	5,399.000	X			=		
28000500	INLET & PIPE PROTECT	EACH	14.000	X			=		
28000510	INLET FILTERS	EACH	63.000	X			=		
28100107	STONE RIPRAP CL A4	SQ YD	95.000	X			=		
28200200	FILTER FABRIC	SQ YD	95.000	X			=		
30300001	AGG SUBGRADE IMPROVE	CU YD	4,496.000	X			=		
30300112	AGG SUBGRADE IMPR 12	SQ YD	25,400.000	X			=		
31101000	SUB GRAN MAT B	TON	2,822.000	X			=		
35501306	HMA BASE CSE 5 1/2	SQ YD	21,988.000	X			=		
40200900	AGG SURF CSE B	CU YD	40.000	X			=		
40600275	BIT MATLS PR CT	POUND	74,201.000	X			=		
40603082	HMA BC IL-19.0 FG N50	TON	2,820.000	X			=		

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		UNIT PRICE DOLLARS	UNIT PRICE CENTS		TOTAL PRICE DOLLARS	TOTAL PRICE CTS
40603335	HMA SC "D" N50	TON	2,291.000	X			=		
42300200	PCC DRIVEWAY PAVT 6	SQ YD	595.000	X			=		
42400200	PC CONC SIDEWALK 5	SQ FT	11,231.000	X			=		
42400800	DETECTABLE WARNINGS	SQ FT	735.000	X			=		
44000100	PAVEMENT REM	SQ YD	13,657.000	X			=		
44000200	DRIVE PAVEMENT REM	SQ YD	3,489.000	X			=		
44000500	COMB CURB GUTTER REM	FOOT	1,781.000	X			=		
44000600	SIDEWALK REM	SQ FT	15,604.000	X			=		
48101500	AGGREGATE SHLDS B 6	SQ YD	55.000	X			=		
50105220	PIPE CULVERT REMOV	FOOT	66.000	X			=		
54213660	PRC FLAR END SEC 15	EACH	1.000	X			=		
54213675	PRC FLAR END SEC 30	EACH	1.000	X			=		
54213681	PRC FLAR END SEC 36	EACH	1.000	X			=		
550A0040	STORM SEW CL A 1 10	FOOT	32.000	X			=		
550A0050	STORM SEW CL A 1 12	FOOT	1,835.000	X			=		

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		UNIT PRICE DOLLARS	UNIT PRICE CENTS		TOTAL PRICE DOLLARS	TOTAL PRICE CTS
550A0070	STORM SEW CL A 1 15	FOOT	949.000	X			=		
550A0090	STORM SEW CL A 1 18	FOOT	803.000	X			=		
550A0110	STORM SEW CL A 1 21	FOOT	205.000	X			=		
550A0120	STORM SEW CL A 1 24	FOOT	146.000	X			=		
550A0130	STORM SEW CL A 1 27	FOOT	161.000	X			=		
550A0140	STORM SEW CL A 1 30	FOOT	302.000	X			=		
550A0160	STORM SEW CL A 1 36	FOOT	221.000	X			=		
55100200	STORM SEWER REM 6	FOOT	104.000	X			=		
55100400	STORM SEWER REM 10	FOOT	279.000	X			=		
55100500	STORM SEWER REM 12	FOOT	1,868.000	X			=		
55100700	STORM SEWER REM 15	FOOT	185.000	X			=		
55100900	STORM SEWER REM 18	FOOT	247.000	X			=		
55101200	STORM SEWER REM 24	FOOT	716.000	X			=		
56103100	D I WATER MAIN 8	FOOT	615.000	X			=		
56105000	WATER VALVES 8	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
56105600	INSERT VALVES 8	EACH	1.000	X			=		
56400400	FIRE HYDNTS RELOCATED	EACH	4.000	X			=		
56400500	FIRE HYDNTS TO BE REM	EACH	1.000	X			=		
56400820	FIRE HYD W/AUX V & VB	EACH	1.000	X			=		
56500200	DOM WAT SER BOX MOVED	EACH	3.000	X			=		
60107600	PIPE UNDERDRAINS 4	FOOT	175.000	X			=		
60200805	CB TA 4 DIA T8G	EACH	2.000	X			=		
60201340	CB TA 4 DIA T24F&G	EACH	4.000	X			=		
60203905	CB TA 5 DIA T1F CL	EACH	2.000	X			=		
60205040	CB TA 5 DIA T24F&G	EACH	1.000	X			=		
60207000	CB TA T8G	EACH	1.000	X			=		
60207605	CB TC T8G	EACH	1.000	X			=		
60208240	CB TC T24F&G	EACH	1.000	X			=		
60218400	MAN TA 4 DIA T1F CL	EACH	8.000	X			=		
60219000	MAN TA 4 DIA T8G	EACH	1.000	X			=		

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		UNIT PRICE DOLLARS	UNIT PRICE CENTS		TOTAL PRICE DOLLARS	TOTAL PRICE CTS
60219540	MAN TA 4 DIA T24F&G	EACH	3.000	X			=		
60221100	MAN TA 5 DIA T1F CL	EACH	16.000	X			=		
60221700	MAN TA 5 DIA T8G	EACH	1.000	X			=		
60222240	MAN TA 5 DIA T24F&G	EACH	1.000	X			=		
60223800	MAN TA 6 DIA T1F CL	EACH	2.000	X			=		
60224039	MAN TA 6 DIA T24F&G	EACH	1.000	X			=		
60236200	INLETS TA T8G	EACH	6.000	X			=		
60236800	INLETS TA T11F&G	EACH	1.000	X			=		
60237470	INLETS TA T24F&G	EACH	36.000	X			=		
60240301	INLETS TB T8G	EACH	1.000	X			=		
60240328	INLETS TB T24F&G	EACH	16.000	X			=		
60248900	VV TA 5 DIA T1F CL	EACH	3.000	X			=		
60255500	MAN ADJUST	EACH	9.000	X			=		
60256940	MAN ADJ NEW T24F&G	EACH	1.000	X			=		
60265900	VV ADJ NEW T1F CL	EACH	5.000	X			=		

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		UNIT PRICE DOLLARS	UNIT PRICE CENTS		TOTAL PRICE DOLLARS	TOTAL PRICE CTS
60500040	REMOV MANHOLES	EACH	9.000	X			=		
60500060	REMOV INLETS	EACH	24.000	X			=		
60603800	COMB CC&G TB6.12	FOOT	313.000	X			=		
60605000	COMB CC&G TB6.24	FOOT	10,093.000	X			=		
67100100	MOBILIZATION	L SUM	1.000	X			=		
70106800	CHANGEABLE MESSAGE SN	CAL MO	40.000	X			=		
70300100	SHORT TERM PAVT MKING	FOOT	950.000	X			=		
70300210	TEMP PVT MK LTR & SYM	SQ FT	879.000	X			=		
70300220	TEMP PVT MK LINE 4	FOOT	12,211.000	X			=		
70300240	TEMP PVT MK LINE 6	FOOT	1,539.000	X			=		
70300250	TEMP PVT MK LINE 8	FOOT	2,165.000	X			=		
70300260	TEMP PVT MK LINE 12	FOOT	1,109.000	X			=		
70300280	TEMP PVT MK LINE 24	FOOT	394.000	X			=		
70301000	WORK ZONE PAVT MK REM	SQ FT	317.000	X			=		
72000100	SIGN PANEL T1	SQ FT	4.000	X			=		

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		UNIT PRICE DOLLARS	UNIT PRICE CENTS		TOTAL PRICE DOLLARS	TOTAL PRICE CTS
72400500	RELOC SIN PAN ASSY TA	EACH	2.000	X			=		
72900100	METAL POST TY A	FOOT	51.000	X			=		
73502000	REL GR MT SIN SUPPORT	EACH	47.000	X			=		
78000100	THPL PVT MK LTR & SYM	SQ FT	911.000	X			=		
78000200	THPL PVT MK LINE 4	FOOT	12,211.000	X			=		
78000400	THPL PVT MK LINE 6	FOOT	1,540.000	X			=		
78000500	THPL PVT MK LINE 8	FOOT	2,988.000	X			=		
78000600	THPL PVT MK LINE 12	FOOT	876.000	X			=		
78000650	THPL PVT MK LINE 24	FOOT	268.000	X			=		
78100100	RAISED REFL PAVT MKR	EACH	15.000	X			=		
78300100	PAVT MARKING REMOVAL	SQ FT	694.000	X			=		
78300200	RAISED REF PVT MK REM	EACH	8.000	X			=		
81028320	UNDRGRD C PVC 1	FOOT	296.000	X			=		
81028360	UNDRGRD C PVC 2 1/2	FOOT	72.000	X			=		
85000200	MAIN EX TR SIG INSTAL	EACH	1.000	X			=		

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY		UNIT PRICE DOLLARS	UNIT PRICE CENTS		TOTAL PRICE DOLLARS	TOTAL PRICE CTS
87300010	GROUND HH FR & COVER	EACH	3.000	X			=		
87301215	ELCBL C SIGNAL 14 2C	FOOT	200.000	X			=		
87301225	ELCBL C SIGNAL 14 3C	FOOT	693.000	X			=		
87301245	ELCBL C SIGNAL 14 5C	FOOT	1,142.000	X			=		
87301255	ELCBL C SIGNAL 14 7C	FOOT	173.000	X			=		
87301305	ELCBL C LEAD 14 1PR	FOOT	1,090.000	X			=		
87301900	ELCBL C EGRDC 6 1C	FOOT	451.000	X			=		
87502450	TS POST GALVS 11	EACH	1.000	X			=		
87502500	TS POST GALVS 16	EACH	2.000	X			=		
87800100	CONC FDN TY A	FOOT	9.000	X			=		
87900200	DRILL EX HANDHOLE	EACH	16.000	X			=		
88040070	SH P LED 1F 3S BM	EACH	4.000	X			=		
88040090	SH P LED 1F 3S MAM	EACH	2.000	X			=		
88040150	SH P LED 1F 5S BM	EACH	1.000	X			=		
88102717	PED SH LED 1F BM CDT	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
88200410	TS BACKPLATE L F PLAS	EACH	7.000	X			=		
88500100	INDUCTIVE LOOP DETECT	EACH	9.000	X			=		
88600100	DET LOOP T1	FOOT	806.000	X			=		
88700200	LIGHT DETECTOR	EACH	3.000	X			=		
88700300	LIGHT DETECTOR AMP	EACH	1.000	X			=		
88800100	PED PUSH-BUTTON	EACH	2.000	X			=		
89502300	REM ELCBL FR CON	FOOT	1,862.000	X			=		
89502375	REMOV EX TS EQUIP	EACH	1.000	X			=		
89502385	REMOV EX CONC FDN	EACH	1.000	X			=		

TOTAL $

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 Code establishes the duty of all State CPOs, SPOs, 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 CPO to void the contract, and may result in the suspension or debarment of the bidder or subcontractor. If a false certification is made by a subcontractor the contractor's submitted bid and the executed contract may not be declared void unless the contractor refuses to terminate the subcontract upon the State's request after a finding that the subcontractor's certification was false.

☐ I acknowledge, understand and accept these terms and conditions.

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

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 State 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 State 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.

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. Information concerning the exemption process is available from the Department upon request.

B. Negotiations

Section 50-15. Negotiations.

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.

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

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.

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

Section 50-30. Revolving door prohibition.

CPOs, SPOs, 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.

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

Section 50-40. Reporting anticompetitive practices.

When, for any reason, any vendor, bidder, contractor, CPO, SPO, 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 CPO.

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

Section 50-45. Confidentiality.

Any CPO, SPO, 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.

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

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.

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.

☐ I acknowledge, understand and accept these terms and conditions for the above assurances.

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 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 CPO 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

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 2012.

(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 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 CPO 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.

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

B. Felons

Section 50-10. Felons.

(a) 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.

(b) Certification. Every bid submitted to and contract executed by the State and every subcontract subject to Section 20-120 of the 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 CPO may declare the related contract void if any of the certifications required by this Section are false.

C. Debt Delinquency

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 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 CPO 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

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 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 CPO 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 500/50-14 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 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 CPO may declare the contract void if this certification is false.

F. Educational Loan

Section 3 of the Educational Loan Default Act provides 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.

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

Section 33E-11 of the Criminal Code of 2012 provides:

(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.

(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.

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

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

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

I. Drug Free Workplace

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.

The bidder certifies that if awarded a contract in excess of $5,000 it will provide a drug free workplace in compliance with the provisions of the Act.

J. Disclosure of Business Operations in Iran

Section 50-36 of the 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 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 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

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 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 Code, and that it makes the following certification:

The undersigned bidder 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. If the business entity is required to register, the CPO shall verify that it is in compliance on the date the bid or proposal is due. The CPO shall not accept a bid or proposal if the business entity is not in compliance with the registration requirements.

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 Code. This provision does not apply to Federal-aid contracts.

M. Lobbyist Disclosure

Section 50-38 of the 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 CPO 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 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: _____
_____
_____
_____

☐ I acknowledge, understand and accept these terms and conditions for the above certifications.

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 CPO may void the bid, or contract, 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 Code. Furthermore, the CPO 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 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 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 200 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. A separate Disclosure Form A must be submitted with the bid for each individual meeting the above requirements. In addition, a second form (Disclosure Form B) provides for the disclosure of current or pending procurement relationships with other (non-IDOT) state agencies and a total ownership certification. **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 200 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.

RETURN WITH BID

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 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): _____

_____

_____

_____

RETURN WITH BID

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 Code.

RETURN WITH BID

ILLINOIS DEPARTMENT OF TRANSPORTATION

Form B
Other Contracts & Financial 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 Code (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

OWNERSHIP CERTIFICATION

Please certify that the following statement is true if the individuals for all submitted Form A disclosures do not total 100% of ownership.

Any remaining ownership interest is held by individuals receiving less than $106,447.20 of the bidding entity's or parent entity's distributive income or holding less than a 5% ownership interest.

☐ Yes ☐ No ☐ N/A (Form A disclosure(s) established 100% ownership)

RETURN WITH BID

SPECIAL NOTICE TO CONTRACTORS

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

CONSTRUCTION EMPLOYEE UTILIZATION PROJECTION

(a) All bidders on construction contracts shall complete and submit, along with and as part of their bids, a Bidder's Employee Utilization Form (Form BC-1256) setting forth a projection and breakdown of the total workforce intended to be hired and/or allocated to such contract work by the bidder including a projection of minority and female employee utilization in all job classifications on the contract project.

(b) The Department of Transportation shall review the Employee Utilization Form, and workforce projections contained therein, of the contract awardee to determine if such projections reflect an underutilization of minority persons and/or women in any job classification in accordance with the Equal Employment Opportunity Clause and Section 7.2 of the Illinois Department of Human Rights' Rules and Regulations for Public Contracts adopted as amended on September 17, 1980. If it is determined that the contract awardee's projections reflect an underutilization of minority persons and/or women in any job classification, it shall be advised in writing of the manner in which it is underutilizing and such awardee shall be considered to be in breach of the contract unless, prior to commencement of work on the contract project, it submits revised satisfactory projections or an acceptable written affirmative action plan to correct such underutilization including a specific timetable geared to the completion stages of the contract.

(c) The Department of Transportation shall provide to the Department of Human Rights a copy of the contract awardee's Employee Utilization Form, a copy of any required written affirmative action plan, and any written correspondence related thereto. The Department of Human Rights may review and revise any action taken by the Department of Transportation with respect to these requirements.

RETURN WITH BID

Illinois Department of Transportation

Contract No. 87345
KENDALL County
Section 03-00031-00-FP (Yorkville)
Project M-8003(810)
Route FAU 1550 (Game Farm Road)
District 3 Construction Funds

PART I. IDENTIFICATION

Dept. Human Rights # _____ Duration of Project: _____

Name of Bidder: _____

PART II. WORKFORCE PROJECTION

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

TABLE A

TOTAL Workforce Projection for Contract													TABLE B: CURRENT EMPLOYEES TO BE ASSIGNED TO CONTRACT			
			MINORITY EMPLOYEES						TRAINEES				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. 12/11/07)

Note: See instructions on page 2

RETURN WITH BID

Contract No. 87345
KENDALL County
Section 03-00031-00-FP (Yorkville)
Project M-8003(810)
Route FAU 1550 (Game Farm Road)
District 3 Construction Funds

PART II. WORKFORCE PROJECTION - continued

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

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

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

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

PART III. AFFIRMATIVE ACTION PLAN

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

B. The undersigned bidder understands and agrees that the minority and female employee utilization projection submitted herein, and the goals and timetable included under an Affirmative Action Plan if required, are deemed to be part of the contract specifications.

Company _____ Telephone Number _____

_____

Address _____

NOTICE REGARDING SIGNATURE

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

Signature: ☐ _____ Title: _____ Date: _____

Instructions: All tables must include subcontractor personnel in addition to prime contractor personnel.

Table A - Include both the number of employees that would be hired to perform the contract work and the total number currently employed (Table B) that will be allocated to contract work, and include all apprentices and on-the-job trainees. The "Total Employees" column should include all employees including all minorities, apprentices and on-the-job trainees to be employed on the contract work.

Table B - Include all employees currently employed that will be allocated to the contract work including any apprentices and on-the-job trainees currently employed.

Table C - Indicate the racial breakdown of the total apprentices and on-the-job trainees shown in Table A.

BC-1256 (Rev. 12/11/07)

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. 87345
KENDALL County
Section 03-00031-00-FP (Yorkville)
Project M-8003(810)
Route FAU 1550 (Game Farm Road)
District 3 Construction Funds

PROPOSAL SIGNATURE SHEET

The undersigned bidder hereby makes and submits this bid on the subject Proposal, thereby assuring the Department that all requirements of the Invitation for Bids and rules of the Department have been met, that there is no misunderstanding of the requirements of paragraph 3 of this Proposal, and that the contract will be executed in accordance with the rules of the Department if an award is made on this bid.

(IF AN INDIVIDUAL)

Firm Name _____

Signature of Owner _____

Business Address _____

_____

(IF A CO-PARTNERSHIP)

Firm Name _____

By _____

Business Address _____

_____

Name and Address of All Members of the Firm:

_____ _____

(IF A CORPORATION)

Corporate Name _____

By _____
Signature of Authorized Representative

_____
Typed or printed name and title of Authorized Representative

Attest _____
Signature

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

Business Address _____

(IF A JOINT VENTURE)

Corporate Name _____

By _____
Signature of Authorized Representative

_____
Typed or printed name and title of Authorized Representative

Attest _____
Signature

Business Address _____

_____

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

Illinois Department of Transportation

Return with Bid

Division of Highways
Annual Proposal Bid Bond

This Annual Proposal Bid Bond shall become effective at 12:01 AM (CDST) on _____ and shall be valid until _____ 11:59 PM (CDST).

KNOW ALL PERSONS BY THESE PRESENTS, That We _____

as PRINCIPAL, and _____

as SURETY, and 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 the bid proposal under "Proposal Guaranty" in effect on the date of the 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 may submit bid proposal(s) to the STATE OF ILLINOIS, acting through the Department of Transportation, for various improvements published in the Transportation Bulletin during the effective term indicated above.

NOW, THEREFORE, if the Department shall accept the bid proposal(s) of the PRINCIPAL; and if the PRINCIPAL shall, within the time and as specified in the bidding and contract documents; 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 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 has caused this instrument to be signed by its officer
_____ day of _____ A.D., _____.

_____
(Company Name)

By _____
(Signature and Title)

Notary for PRINCIPAL

STATE OF _____
COUNTY OF _____

Signed and attested before me on _____ (date)

by _____
(Name of Notary Public)

(Seal)

_____
(Signature of Notary Public)

_____
(Date Commission Expires)

In TESTIMONY WHEREOF, the said SURETY has caused this instrument to be signed by its officer
_____ day of _____ A.D., _____.

_____
(Company Name)

By _____
(Signature of Attorney-in-Fact)

Notary for SURETY

STATE OF _____
COUNTY OF _____

Signed and attested before me on _____ (date)

by _____
(Name of Notary Public)

(Seal)

_____
(Signature of Notary Public)

_____
(Date Commission Expires)

In lieu of completing the above section of the Annual Proposal Bid Bond form, the Principal may file an Electronic Bid Bond. By signing the proposal(s) 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

This bond may be terminated, at Surety's request, upon giving not less than thirty (30) days prior written notice of the cancellation/termination of the bond. Said written notice shall be issued to the Illinois Department of Transportation, Chief Contracts Official, 2300 South Dirksen Parkway, Springfield, Illinois, 62764, and shall be served in person, by receipted courier delivery or certified or registered mail, return receipt requested. Said notice period shall commence on the first calendar day following the Department's receipt of written cancellation/termination notice. Surety shall remain firmly bound to all obligations herein for proposals submitted prior to the cancellation/termination. Surety shall be released and discharged from any obligation(s) for proposals submitted for any letting or date after the effective date of cancellation/termination.

Illinois Department of Transportation

Return with Bid

Division of Highways Proposal Bid Bond

Item No. _____

Letting Date _____

KNOW ALL PERSONS BY THESE PRESENTS, That We _____

as PRINCIPAL, and _____

as SURETY, and 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 the bid proposal under "Proposal Guaranty" in effect on the date of the 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; 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 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 has caused this instrument to be signed by its officer
_____ day of _____ A.D., _____.

_____
(Company Name)

By _____
(Signature and Title)

Notary for PRINCIPAL

STATE OF _____
COUNTY OF _____

Signed and attested before me on _____ (date)
by _____
(Name of Notary Public)

(Seal)

_____
(Signature of Notary Public)

_____
(Date Commission Expires)

In TESTIMONY WHEREOF, the said SURETY has caused this instrument to be signed by its officer
_____ day of _____ A.D., _____.

_____
(Company Name)

By _____
(Signature of Attorney-in-Fact)

Notary for SURETY

STATE OF _____
COUNTY OF _____

Signed and attested before me on _____ (date)
by _____
(Name of Notary Public)

(Seal)

_____
(Signature of Notary Public)

_____
(Date Commission Expires)

In lieu of completing the above section of the Proposal Bid Bond form, the Principal may file an Electronic Bid Bond. By signing the proposal 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 Number _____ Letting _____

Participation Statement Item No. _____

(1) Instructions Contract No. _____

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:

Please indicate: J/V _____ Manufacturer _____ Supplier (60%) _____ Subcontractor _____ Trucking _____

Pay Item No.	Description	Quantity	Unit Price	Total
			Total	

(3) Partial Payment Items (For any of the above items which are partial pay items)
Description must be sufficient to determine a Commercially Useful Function, specifically describe the work and subcontract dollar amount:

(4) Commitment
When a DBE is to be a second-tier subcontractor, or if the first-tier DBE subcontractor is going to be subcontracting a portion of its subcontract, it must be clearly indicated on the DBE Participation Statement, and the details of the transaction fully explained.

In the event a DBE subcontractor second-tiers a portion of its subcontract to one or more subcontractors during the work of a contract, the prime must submit a DBE Participation Statement, with the details of the transaction(s) fully explained.

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 or 1st Tier subcontractor. 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 Contractor __ 1st Tier __ 2nd Tier

Title _____

Date _____

Contact Person _____

Phone _____

Firm Name _____

Address _____

City/State/Zip _____

_____
Signature for DBE Firm __ 1st Tier __ 2nd Tier

Title _____

Date _____

Contact Person _____

Phone _____

Firm Name _____

Address _____

City/State/Zip _____

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. 87345
KENDALL County
Section 03-00031-00-FP (Yorkville)
Project M-8003(810)
Route FAU 1550 (Game Farm Road)
District 3 Construction Funds

Illinois Department of Transportation

SUBCONTRACTOR DOCUMENTATION

Public Acts 96-0795, 96-0920, and 97-0895 enacted substantial changes to the provisions of the 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 that entered into a contractual agreement with a total value of $50,000 or more with a person or entity who has a contract subject to the Code and 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 Illinois Department of Transportation's CPO upon request within 15 calendar days after execution of the subcontract.

Financial disclosures required pursuant to Sec. 50-35 of the Code must be submitted for all applicable subcontractors. The subcontract shall contain the certifications required to be made by subcontractors pursuant to Article 50 of the 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 Code establishes the duty of all State CPOs, SPOs, 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 CPO may terminate or void the contract approval if it is later determined that the bidder or subcontractor rendered a false or erroneous certification. If a false certification is made by a subcontractor the contractor's submitted bid and the executed contract may not be declared void unless the contractor refuses to terminate the subcontract upon the State's request after a finding that the subcontractor's certification was false.

Section 50-2 of the 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 CPO 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

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 2012.

(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 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 CPO 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.

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

B. Felons

Section 50-10. Felons.

(a) 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.

(b) Certification. Every bid submitted to and contract executed by the State and every subcontract subject to Section 20-120 of the 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 CPO may declare the related contract void if any of the certifications required by this Section are false.

RETURN WITH SUBCONTRACT

C. Debt Delinquency

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 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 CPO 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

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 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 CPO 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 500/50-14 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 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 CPO 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 CPO 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 Code. Furthermore, the CPO may void the contract.

B. Financial Interests and Conflicts of Interest

1. Section 50-35 of the Code provides that all subcontracts with a total value of $50,000 or more, from subcontractors identified in Section 20-120 of the 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 200 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. A separate Disclosure Form A must be submitted with the bid for each individual meeting the above requirements. In addition, a second form (Disclosure Form B) provides for the disclosure of current or pending procurement relationships with other (non-IDOT) state agencies and a total ownership certification. **The forms must be included with each bid.**

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 200 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 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 $50,000 or more, from subcontractors identified in Section 20-120 of the 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 & Financial 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 Code (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 $50,000 or more, from subcontractors identified in Section 20-120 of the 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

OWNERSHIP CERTIFICATION

Please certify that the following statement is true if the individuals for all submitted Form A disclosures do not total 100% of ownership

Any remaining ownership interest is held by individuals receiving less than $106,447.20 of the bidding entity's or parent entity's distributive income or holding less than a 5% ownership interest.

☐ Yes ☐ No ☐ N/A (Form A disclosure(s) established 100% ownership)

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. Electronic bids are to be submitted to the electronic bidding system (ics-Integrated Contractors Exchange). Paper-based bids are to be submitted to the Chief Procurement Officer for the Department of Transportation in care of the Chief Contracts Official at the Harry R. Hanley Building, 2300 South Dirksen Parkway, in Springfield, Illinois until 10:00 o'clock a.mNovember 21, 2014. 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. 87345
   KENDALL County
   Section 03-00031-00-FP (Yorkville)
   Project M-8003(810)
   Route FAU 1550 (Game Farm Road)
   District 3 Construction Funds

Reconstruction from US 34 to Somonauk St. continuing on Somonauk St. from Game Farm Rd. to Church St; pavement widening, curb & gutter, storm sewer, sidewalks, multi-use path, traffic signals, pavement markings and water main improvements, located in the city of Yorkville.

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

Erica J. Borggren,
Acting Secretary

CONTRACT 87345

INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2014

This index contains a listing of SUPPLEMENTAL SPECIFICATIONS, frequently used RECURRING SPECIAL PROVISIONS, and LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS.

ERRATA Standard Specifications for Road and Bridge Construction (Adopted 1-1-12) (Revised 1-1-14)

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

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

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INDEX LOCAL ROADS AND STREETS SPECIAL PROVISIONS

LR #	Pg #		Special Provision Title	Effective	Revised
LR SD12		☐	Slab Movement Detection Device	Nov. 11, 1984	Jan. 1, 2007
LR SD13		☐	Required Cold Milled Surface Texture	Nov. 1, 1987	Jan. 1, 2007
LR SD406		☐	**RESCINDED**		
LR 102-2		☐	Bidding Requirements and Conditions for Contract Proposals	Jan. 1, 2001	Jan. 1, 2014
LR 105	131	☒	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	134	☒	Insurance	Feb. 1, 2007	Aug. 1, 2007
LR 107-7		☐	Wages of Employees on Public Works	Jan. 1, 1999	Jan. 1, 2014
LR 108		☐	Combination Bids	Jan. 1, 1994	Mar. 1, 2005
LR 109		☐	Equipment Rental Rates	Jan. 1, 2012	
LR 212		☐	Shaping Roadway	Aug. 1, 1969	Jan. 1, 2002
LR 355-1		☐	Bituminous Stabilized Base Course, Road Mix or Traveling Plant Mix	Oct. 1, 1973	Jan. 1, 2007
LR 355-2		☐	Bituminous Stabilized Base Course, Plant Mix	Feb. 20, 1963	Jan. 1, 2007
LR 400-1		☐	Bituminous Treated Earth Surface	Jan. 1, 2007	Apr. 1, 2012
LR 400-2		☐	Bituminous Surface Plant Mix (Class B)	Jan. 1, 2008	
LR 400-3		☐	Hot In-Place Recycling (HIR) – Surface Recycling	Jan. 1, 2012	
LR 400-4		☐	Full-Depth Reclamation (FDR) with Emulsified Asphalt	Apr. 1, 2012	Jun. 1, 2012
LR 400-5		☐	Cold In-Place Recycling (CIR) With Emulsified Asphalt	Apr. 1, 2012	Jun. 1, 2012
LR 400-6		☐	Cold In Place Recycling (CIR) with Foamed Asphalt	June 1, 2012	
LR 400-7		☐	Full-Depth Reclamation (FDR) with Foamed Asphalt	June 1, 2012	
LR 402		☐	Salt Stabilized Surface Course	Feb. 20, 1963	Jan. 1, 2007
LR 403-1		☐	Surface Profile Milling of Existing, Recycled or Reclaimed Flexible Pavement	Apr. 1, 2012	Jun. 1, 2012
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		☐	Construction and Maintenance Signs	Jan. 1, 2004	Jun. 1, 2007
LR 1000-1		☐	Cold In-Place Recycling (CIR) and Full Depth Reclamation (FDR) with Emulsified Asphalt Mix Design Procedures	Apr. 1, 2012	Jun. 1, 2012
LR 1000-2		☐	Cold In-Place Recycling (CIR) and Full Depth Reclamation (FDR) with Foamed Asphalt Mix Design Procedures	June 1, 2012	
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 1102		☐	Road Mix or Traveling Plan Mix Equipment	Jan. 1, 2007	

BDE SPECIAL PROVISIONS
For the November 21, 2014 Letting

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	Jan. 1, 2012
	80099			Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2014
	80274	135	X	Aggregate Subgrade Improvement	April 1, 2012	Jan. 1, 2013
	80192			Automated Flagger Assistance Device	Jan. 1, 2008	
	80173	138	X	Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2013
	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
	80292			Coarse Aggregate in Bridge Approach Slabs/Footings	April 1, 2012	April 1, 2013
	80310			Coated Galvanized Steel Conduit	Jan. 1, 2013	Aug. 1, 2014
	80341			Coilable Nonmetallic Conduit	Aug. 1, 2014	
	80198			Completion Date (via calendar days)	April 1, 2008	
	80199			Completion Date (via calendar days) Plus Working Days	April 1, 2008	
	80293			Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet	April 1, 2012	April 1, 2014
	80294			Concrete Box Culverts with Skews ≤ 30 Degrees Regardless of Design Fill and Skews > 30 Degrees with Design Fills > 5 Feet	April 1, 2012	April 1, 2014
	80311			Concrete End Sections for Pipe Culverts	Jan. 1, 2013	
	80334	141	X	Concrete Gutter, Curb, Median, and Paved Ditch	April 1, 2014	Aug. 1, 2014
	80277			Concrete Mix Design – Department Provided	Jan. 1, 2012	Jan. 1, 2014
*	80261	142	X	Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
	80335	145	X	Contract Claims	April 1, 2014	
	80029	146	X	Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Aug. 2, 2011
*	80265	156	X	Friction Aggregate	Jan. 1, 2011	Nov. 1, 2014
	80229			Fuel Cost Adjustment	April 1, 2009	July 1, 2009
	80329			Glare Screen	Jan. 1, 2014	
	80303	160	X	Granular Materials	Nov. 1, 2012	
	80304			Grooving for Recessed Pavement Markings	Nov. 1, 2012	Aug. 1, 2014
	80246	161	X	Hot-Mix Asphalt – Density Testing of Longitudinal Joints	Jan. 1, 2010	April 1, 2012
*	80322	163	X	Hot-Mix Asphalt – Mixture Design Composition and Volumetric Requirements	Nov. 1, 2013	Nov. 1, 2014
*	80323	173	X	Hot-Mix Asphalt – Mixture Design Verification and Production	Nov. 1, 2013	Nov. 1, 2014
*	80347			Hot-Mix Asphalt – Pay for Performance Using Percent Within Limits – Jobsite Sampling	Nov. 1, 2014	
*	80348	177	X	Hot-Mix Asphalt – Prime Coat	Nov. 1, 2014	
	80315			Insertion Lining of Culverts	Jan. 1, 2013	Nov. 1, 2013
	80336			Longitudinal Joint and Crack Patching	April 1, 2014	
*	80324			LRFD Pipe Culvert Burial Tables	Nov. 1, 2013	Nov. 1, 2014
*	80325	182	X	LRFD Storm Sewer Burial Tables	Nov. 1, 2013	Nov. 1, 2014
	80045			Material Transfer Device	June 15, 1999	Aug. 1, 2014
	80342			Mechanical Side Tie Bar Inserter	Aug. 1, 2014	
	80165			Moisture Cured Urethane Paint System	Nov. 1, 2006	Jan. 1, 2010
	80337			Paved Shoulder Removal	April 1, 2014	
*	80349			Pavement Marking Blackout Tape	Nov. 1, 2014	
	80330			Pavement Marking for Bike Symbol	Jan. 1, 2014	
	80298			Pavement Marking Tape Type IV	April 1, 2012	

File Name	Pg.		Special Provision Title	Effective	Revised
80254			Pavement Patching	Jan. 1, 2010	
80331	192	X	Payrolls and Payroll Records	Jan. 1, 2014	
80332			Portland Cement Concrete – Curing of Abutments and Piers	Jan. 1, 2014	
80326	194	X	Portland Cement Concrete Equipment	Nov. 1, 2013	
80338			Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	April 1, 2014	
80343			Precast Concrete Handhole	Aug. 1, 2014	
80300			Preformed Plastic Pavement Marking Type D - Inlaid	April 1, 2012	
80328	195	X	Progress Payments	Nov. 2, 2013	
80281			Quality Control/Quality Assurance of Concrete Mixes	Jan. 1, 2012	Jan. 1, 2014
3426I			Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2006
80157			Railroad Protective Liability Insurance (5 and 10)	Jan. 1, 2006	
80306	196	X	Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)	Nov. 1, 2012	April 1, 2014
* 80350			Retroreflective Sheeting for Highway Signs	Nov. 1, 2014	
80327	206	X	Reinforcement bars	Nov. 1, 2013	
80283	208	X	Removal and Disposal of Regulated Substances	Jan. 1, 2012	Nov. 2, 2012
80319	212	X	Removal and Disposal of Surplus Materials	Nov. 2, 2012	
80344			Rigid Metal Conduit	Aug. 1, 2014	
80307			Seeding	Nov. 1, 2012	
80340			Speed Display Trailer	April 2, 2014	
80339			Stabilized Subbase	April 1, 2014	
80127	213	X	Steel Cost Adjustment	April 2, 2004	April 1, 2009
80317			Surface Testing of Hot-Mix Asphalt Overlays	Jan. 1, 2013	
80301	217	X	Tracking the Use of Pesticides	Aug. 1, 2012	
80333			Traffic Control Setup and Removal Freeway/Expressway	Jan. 1, 2014	
20338	218	X	Training Special Provisions	Oct. 15, 1975	
80318			Traversable Pipe Grate	Jan. 1, 2013	April 1, 2014
80345			Underpass Luminaire	Aug. 1, 2014	
80346			Waterway Obstruction Warning Luminaire	Aug. 1, 2014	
* 80288	221	X	Warm Mix Asphalt	Jan. 1, 2012	Nov. 1, 2014
80302	223	X	Weekly DBE Trucking Reports	June 2, 2012	
80289			Wet Reflective Thermoplastic Pavement Marking	Jan. 1, 2012	
80071			Working Days	Jan. 1, 2002	

The following special provisions are in the 2014 Supplemental Specifications and Recurring Special Provisions:

File Name	Special Provision Title	New Location	Effective	Revised
80309	Anchor Bolts	Articles 1006.09, 1070.01, and 1070.03	Jan. 1, 2013	
80276	Bridge Relief Joint Sealer	Article 503.19 and Sections 588 and 589	Jan. 1, 2012	Aug. 1, 2012
80312	Drain Pipe, Tile, Drainage Mat, and Wall Drain	Article 101.01, 1040.03, and 1040.04	Jan. 1, 2013	
80313	Fabric Bearing Pads	Article 1082.01	Jan. 1, 2013	
80169	High Tension Cable Median Barrier	Section 644 and Article 1106.02	Jan. 1, 2007	Jan. 1, 2013
80320	Liquidated Damages	Article 108.09	April 1, 2013	
80297	Modified Urethane Pavement Marking	Section 780, Articles 1095.09 and 1105.04	April 1, 2012	
80253	Moveable Traffic Barrier	Section 707 and Article 1106.02	Jan. 1, 2010	Jan. 1, 2013
80231	Pavement Marking Removal	Recurring CS #33	April 1, 2009	
80321	Pavement Removal	Article 440.07	April 1, 2013	
80022	Payments to Subcontractors	Article 109.11	June 1, 2000	Jan. 1, 2006

File Name	Special Provision Title	New Location	Effective	Revised
80316	Placing and Consolidating Concrete	Articles 503.06, 503.07, and 516.12	Jan. 1, 2013	
80278	Planting Woody Plants	Section 253 and Article 1081.01	Jan. 1, 2012	Aug. 1, 2012
80305	Polyurea Pavement Markings	Article 780.14	Nov. 1, 2012	Jan. 1, 2013
80279	Portland Cement Concrete	Sections 312, 503, 1003, 1004, 1019, and 1020	Jan. 1, 2012	Nov. 1, 2013
80218	Preventive Maintenance – Bituminous Surface Treatment	Recurring CS #34	Jan. 1, 2009	April 1, 2012
80219	Preventive Maintenance – Cape Seal	Recurring CS #35	Jan. 1, 2009	April 1, 2012
80220	Preventive Maintenance – Micro Surfacing	Recurring CS #36	Jan. 1, 2009	April 1, 2012
80221	Preventive Maintenance – Slurry Seal	Recurring CS #37	Jan. 1, 2009	April 1, 2012
80224	Restoring Bridge Approach Pavements Using High-Density Foam	Recurring CS #39	Jan. 1, 2009	Jan. 1, 2012
80255	Stone Matrix Asphalt	Sections 406, 1003, 1004, 1030, and 1011	Jan. 1, 2010	Aug. 1, 2013
80143	Subcontractor Mobilization Payments	Article 109.12	April 2, 2005	April 1, 2011
80308	Synthetic Fibers in Concrete Gutter, Curb, Median and Paved Ditch	Articles 606.02 and 606.11	Nov. 1, 2012	
80286	Temporary Erosion and Sediment Control	Articles 280.04 and 280.08	Jan. 1, 2012	
80225	Temporary Raised Pavement Marker	Recurring CS #38	Jan. 1, 2009	
80256	Temporary Water Filled Barrier	Section 708 and Article 1106.02	Jan. 1, 2010	Jan. 1, 2013
80273	Traffic Control Deficiency Deduction	Article 105.03	Aug. 1, 2011	
80270	Utility Coordination and Conflicts	Articles 105.07, 107.19, 107.31, 107.37, 107.38, 107.39 and 107.40	April 1, 2011	Jan. 1, 2012

The following special provisions require additional information from the designer. 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

GUIDE BRIDGE SPECIAL PROVISION INDEX/CHECK SHEET

Effective as of the: November 21, 2014 Letting

Pg #	√	File Name	Title	Effective	Revised
		GBSP 4	Polymer Modified Portland Cement Mortar	June 7, 1994	July 26, 2013
		GBSP 12	Drainage System	June 10, 1994	Jan 1, 2007
		GBSP 13	High-Load Multi-Rotational Bearings	Oct 13, 1988	Oct 30, 2012
		GBSP 14	Jack and Remove Existing Bearings	April 20, 1994	Jan 1, 2007
		GBSP 15	Three Sided Precast Concrete Structure	July 12, 1994	Oct 15, 2011
		GBSP 16	Jacking Existing Superstructure	Jan 11, 1993	Jan 1, 2007
		GBSP 17	Bonded Preformed Joint Seal	July 12, 1994	Jan 1, 2007
		GBSP 18	Modular Expansion Joint	May 19, 1994	April 18, 2014
		GBSP 21	Cleaning and Painting Contact Surface Areas of Existing Steel Structures	June 30, 2003	May 18, 2011
		GBSP 25	Cleaning and Painting Existing Steel Structures	Oct 2, 2001	April 19, 2012
		GBSP 26	Containment and Disposal of Lead Paint Cleaning Residues	Oct 2, 2001	April 30, 2010
		GBSP 28	Deck Slab Repair	May 15, 1995	Oct 15, 2011
		GBSP 29	Bridge Deck Microsilica Concrete Overlay	May 15, 1995	Oct 30, 2012
		GBSP 30	Bridge Deck Latex Concrete Overlay	May 15, 1995	Jan 18, 2011
		GBSP 31	Bridge Deck High-Reactivity Metakaolin (HRM) Conc Overlay	Jan 21, 2000	Oct 30, 2012
		GBSP 32	Temporary Sheet Piling	Sept 2, 1994	Jan 31, 2012
		GBSP 33	Pedestrian Truss Superstructure	Jan 13, 1998	April 18, 2014
		GBSP 34	Concrete Wearing Surface	June 23, 1994	Feb 6, 2013
		GBSP 35	Silicone Bridge Joint Sealer	Aug 1, 1995	Oct 15, 2011
		GBSP 38	Mechanically Stabilized Earth Retaining Walls	Feb 3, 1999	Aug 29, 2014
		GBSP 42	Drilled Soldier Pile Retaining Wall	Sept 20, 2001	Jan 3, 2014
		GBSP 43	Driven Soldier Pile Retaining Wall	Nov 13, 2002	Jan 3, 2014
		GBSP 44	Temporary Soil Retention System	Dec 30, 2002	May 11, 2009
		GBSP 45	Bridge Deck Thin Polymer Overlay	May 7, 1997	Feb 6, 2013
		GBSP 46	Geotextile Retaining Walls	Sept 19, 2003	July 26, 2013
		GBSP 51	Pipe Underdrain for Structures	May 17, 2000	Jan 22, 2010
		GBSP 53	Structural Repair of Concrete	Mar 15, 2006	Aug 29, 2014
		GBSP 55	Erection of Curved Steel Structures	June 1, 2007	
		GBSP 56	Setting Piles in Rock	Nov 14, 1996	April 19, 2012
		GBSP 57	Temporary Mechanically Stabilized Earth Retaining Walls	Jan 6, 2003	Aug 29 ,2014
		GBSP 59	Diamond Grinding and Surface Testing Bridge Sections	Dec 6, 2004	Jan 3, 2014
		GBSP 60	Containment and Disposal of Non-Lead Paint Cleaning Residues	Nov 25, 2004	Mar 6, 2009
		GBSP 61	Slipform Parapet	June 1, 2007	Aug 17, 2012
		GBSP 62	Concrete Deck Beams	June 13, 2008	Oct 9, 2009
		GBSP 64	Segmental Concrete Block Wall	Jan 7, 1999	Oct 30, 2012
224	X	GBSP 65	Precast Modular Retaining Walls	Mar 19, 2001	Jan 3, 2014
		GBSP 67	Structural Assessment Reports for Contractor's Means and Methods	Mar 6, 2009	
		GBSP 70	Braced Excavation	Aug 9, 1995	May 18, 2011
		GBSP 71	Aggregate Column Ground Improvement	Jan 15, 2009	Oct 15, 2011

		GBSP 72	Bridge Deck Fly Ash or GGBF Slag Concrete Overlay	Jan 18, 2011	Oct 15, 2011
		GBSP 73	Cofferdams	Oct 15, 2011	
		GBSP 74	Permanent Steel Sheet Piling (LRFD)	Jan 31, 2012	Aug 17, 2012
		GBSP 75	Bond Breaker for Prestressed Concrete Bulb-T Beams	April 19, 2012	
		GBSP 76	Granular Backfill for Structures	April 19, 2012	Oct 30, 2012
		GBSP 77	Weep Hole Drains for Abutments, Wingwalls, Retaining Walls And Culverts	April 19, 2012	Oct 22, 2013
		GBSP 78	Bridge Deck Construction	Oct 22, 2013	April 18, 2014
		GBSP 79	Reserved		
		GBSP 80	Fabric Reinforced Elastomeric	Aug 29, 2014	

LIST ANY ADDITIONAL SPECIAL PROVISIONS BELOW

The following Guide Bridge Special Provisions have been incorporated into the 2012 Standard Specifications:

File Name	Title	Std Spec Location
GBSP22	Cleaning and Painting New Metal Structures	506
GBSP36	Surface Preparation and Painting Req. for Weathering Steel	506
GBSP50	Removal of Existing Non-composite Bridge Decks	501
GBSP58	Mechanical Splicers	508
GBSP63	Demolition Plans for Removal of Existing Structures	501
GBSP68	Piling	512
GBSP69	Freeze-Thaw Aggregates for Concrete Superstructures Poured on Grade	1004

The following Guide Bridge Special Provisions have been discontinued or have been superseded:

File Name	Title	Disposition:
GBSP37	Underwater Structure Excavation Protection	Replaced by GBSP73
GBSP11	Permanent Steel Sheet Piling	Replaced by GBSP74
GBSP47	High Performance Concrete Structures	Discontinued
GBSP52	Porous Granular Embankment (Special)	Replaced by GBSP76
GBSP66	Wave Equation Analysis of Piles	Discontinued

STATE OF ILLINOIS

SPECIAL PROVISIONS

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction, Adopted January 1, 2012", the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways", the latest edition of the "Standard Specifications for Water and Sewer Main Construction in Illinois", the "Manual of Test Procedures for Materials" in effect on the date of invitation for bids, and the "Supplemental Specifications and Recurring Special Provisions" indicated on the Check Sheet included herein, Standard Specifications for Sanitary Sewer Construction in the Yorkville-Bristol Sanitary District dated October 9, 2006 and the United City of Yorkville Subdivision Control Ordinance, which apply to and govern the construction of Game Farm Road - Somonauk Street, Section 03-00031-00-FP, in the United City of Yorkville, Kendall County, and in case of conflict with any part, or parts, of said Specifications, the said Special Provisions shall take precedence and shall govern.

Contract no. 87345

LOCATION OF PROJECT

The project improvements occur on Game Farm Road and Somonauk Street located from 275 feet west of Illinois Route 47 to U.S. Route 34 in the United City of Yorkville, Kendall County, Illinois total length of the project is 4,719.69 feet (0.89 mile).

DESCRIPTION OF PROJECT

The proposed roadway improvement will have one (1) full signalized intersection, five (5) typical sections to accommodate a two-way left turn lane in the median, and proposed curb and gutter. The project also includes minor swales, sidewalks, spot upgrades to the water and sanitary sewer systems, pavement reconstruction, pavement marking, storm sewer, and driveway entrance replacements.

STATUS OF UTILITIES TO BE ADJUSTED

Name & Address of Utility	Type	Location	Estimated Date Relocation Complete
Commonwealth Edison (Com Ed) Three Lincoln Centre, 4th Floor Oakbrook Terrace, Illinois 60181	Buried and Overhead Electric	Various locations	To be determined
Yorkville-Bristol Sanitary District 304 River Street P.O. Box 27 Yorkville, Illinois 60560	Buried Sanitary Sewer	Somonauk Street Game Farm Road	No relocation necessary. Manhole adjustments and sanitary sewer service line addition.

Comcast Cable 688 Industrial Drive Elmhurst, Illinois 60126	Overhead CATV Buried Cable	Various locations located on Com Ed poles.	To be determined
SBC 65 West Webster Street Floor 4E Joliet, Illinois 60432	Buried Telephone.	Various locations	To be determined
Nicor Gas Company 1844 Ferry Road Naperville, Illinois 60563	Buried Gas	Various locations	To be determined
United City of Yorkville 800 Game Farm Road Yorkville, Illinois 60560	Water main	Various locations	Fire hydrant relocations cross connection line addition at Middle School.

COMPLETION DATE PLUS WORKING DAYS

Revise Article 108.05 (b) of the Standard Specifications to read:

"Completion Date Plus Working Days." The contractor shall complete all contract items and safely open all lanes of all roadways to traffic by 11:59 PM on Monday, November 13, 2015, except as specified herein.

The Contractor will be allowed to complete all permanent seeding within fifteen (15) working days after the completion date for opening the roadway to traffic. Under extenuating circumstances the Engineer may direct that certain additional items of work, not affecting the safe opening of all lanes to traffic, may be completed within the working days allowed.

Article 108.09 or the Special Provision for "Failure to Complete the Work on Time", if included in this contract, shall apply to both the completion date and the number of days.

MAINTENANCE OF ROADWAYS

Effective: September 30, 1985
Revised: November 1, 1996

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

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

DUST CONTROL--HAULING EARTH, GRANULAR MATERIALS OR WASTE MATERIAL

(Effective November 16, 1993)

In addition to the general requirements of Section 107 of the Standard Specifications, the Contractor shall be required to prepare a plan for pavement cleaning and dust control for this project. A detailed plan outlining specific wetting, tarping, and/or cleaning procedures, or similar dust control methods is to be submitted for approval at the preconstruction meeting.

As required by Chapter 95 1/2, paragraphs 15-109 and 15-109.1 of the Illinois Vehicle Code, no blowing or spillage of material will be allowed during the hauling operations. The specific preventative measures proposed by the Contractor are to be included in the dust control plan.

If, in the opinion of the Engineer, excessive dust is produced during the hauling operations, the hauling shall stop until corrective action is taken.

Approval of the dust control and pavement cleaning procedures will not relieve the Contractor of his responsibility to provide a safe work zone for the traveling public.

No additional compensation will be allowed for dust alleviation.

COOPERATION BY CONTRACTOR

(Effective February 7, 2013)

Replace the 3rd paragraph of Article 105.06 with the following:

> At the preconstruction meeting, the Contractor shall identify one superintendent, who will act as his agent for the entire duration of the project. This shall be a competent, English-speaking person, who will be at the project site at all times when the Contractor or Subcontractor is present. He or she must be capable of reading and thoroughly understanding the plans and specifications and be thoroughly experienced in the type of work being performed. The superintendent, who shall receive instructions from the Engineer or authorized representatives, shall have full authority to execute orders or directions of the Engineer without delay, and to promptly supply such materials, equipment, tools, labor and incidentals as may be required.

GRANULAR MATERIALS

(Effective: November 26, 2013)

Revise the title of Article 1003.04 of the Standard Specifications to read:

" **1003.04 Fine Aggregate for Bedding, Trench Backfill, Embankment, Porous Granular Backfill, Sand Backfill for Underdrains, and French Drains.**"

Revise Article 1003.04(c) of the Standard Specifications to read:

"(c) Gradation. The fine aggregate gradations for granular embankment, granular backfill, bedding, and trench backfill for pipe culverts and storm sewers shall be FA 1, FA 2, or FA 6 through FA 21.

The fine aggregate gradation for porous granular embankment, porous granular backfill, french drains, and sand backfill for underdrains shall be FA 1, FA 2, or FA 20, except the percent passing the No. 200 (75 µm) sieve shall be 2±2."

Revise Article 1004.05(c) of the Standard Specifications to read:

"(c) Gradation. The coarse aggregate gradations shall be as follows.

Application	Gradation
Blotter	CA 15
Granular Embankment, Granular Backfill, and Bedding	CA 6, CA 9, CA 10, CA 12, CA17, CA18, and CA 19
Porous Granular Embankment, Porous Granular Backfill, and French Drains	CA 7, CA 8, CA 11, CA 15, CA 16 and CA 18
Trench Backfill and Bedding for Pipe Culverts and Storm Sewers	CA 6, CA 7[1/], CA 9, CA 10, CA 11[1/], CA 12, CA17, CA18, and CA 19

1/ For gradations CA 7 or CA 11, lifts may exceed 8 in. (200mm) in depth provided the material is seated to the satisfaction of the Engineer.

EMBANKMENT

(Effective July 1, 1990; Revised January 1, 2007)

This work shall be performed in accordance with Section 205 of the Standard Specifications except that the embankment material shall not be placed and compacted at moisture contents in excess of 110 percent of optimum moisture unless authorized, in writing, by the Engineer.

Topsoil material shall not be placed in the embankment within 12 in. of high type base and surface courses.

AGGREGATE SUBGRADE IMPROVEMENT (District 3)

(Effective April 1, 2012; Revised January 1, 2013)

Add the following Section to the Standard Specifications:

"SECTION 303. AGGREGATE SUBGRADE IMPROVEMENT

303.01 Description. This work shall consist of constructing an aggregate subgrade improvement.

303.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Coarse Aggregate	1004.06
(b) Reclaimed Asphalt Pavement (RAP) (Notes 1, 2, and 3)	1031

Note 1. Crushed RAP, from either full depth or single lift removal, may be mechanically blended with aggregate gradations CS 01 or CS 02 but shall not exceed 40 percent of the total product. The top size of the RAP shall be less than 4 in. (100 mm) and well graded.

Note 2. RAP having 100 percent passing the 1 1/2 in. (37.5 mm) sieve and being well graded, may be used as capping aggregate in the top 3 in. (75 mm) when aggregate gradations CS 01 or CS 02 are used in lower lifts. The RAP shall not be gap graded, single sized, or have a maximum size of less than 3/4 in. (19 mm).

Note 3. The RAP used for aggregate subgrade improvement shall be according to the current Bureau of Materials and Physical Research Policy Memorandum, "Reclaimed Asphalt Pavement (RAP) for Aggregate Applications".

303.03 Equipment. The vibratory machine shall be according to Article 1101.01 or as approved by the Engineer.

303.04 Soil Preparation. The stability of the soil shall be according to the Department's Subgrade Stability Manual for the aggregate thickness specified.

303.05 Placing Aggregate. The maximum nominal lift thickness of aggregate gradations CS 01 and CS 02 shall be 24 in. (600 mm).

303.06 Capping Aggregate. The top surface of the aggregate subgrade shall consist of a minimum 3 inches (75 mm) of aggregate gradations CA 06 or CA 10.

303.07 Compaction. All aggregate lifts shall be compacted to the satisfaction of the Engineer. If the moisture content of the material is such that compaction cannot be obtained, sufficient water shall be added so that satisfactory compaction can be obtained.

303.08 Finishing and Maintenance of Aggregate Subgrade Improvement. The aggregate subgrade improvement shall be finished to the lines, grades, and cross

sections shown on the plans, or as directed by the Engineer. The aggregate subgrade improvement shall be maintained in a smooth and compacted condition.

303.09 Method of Measurement. This work will be measured for payment according to Article 311.08.

303.10 Basis of Payment. This work will be paid for at the contract unit price per square yard (square meter) for AGGREGATE SUBGRADE IMPROVEMENT, of the thickness specified."

Add the following to Section 1004 of the Standard Specifications:

"**1004.06 Coarse Aggregate for Aggregate Subgrade Improvement.** The aggregate shall be according to Article 1004.01 and the following.

(a) Description. The coarse aggregate shall be crushed gravel, crushed stone, or crushed concrete.

(b) Quality. The coarse aggregate shall consist of sound durable particles reasonably free of deleterious materials.

(c) Gradation.

(1) The coarse aggregate gradation for total subgrade thickness less than or equal to 12 inches (300 mm) shall be CS 02.

The coarse aggregate gradation for total subgrade thickness more than 12 inches (300 mm) shall be CS 01 or CS 02.

	COARSE AGGREGATE SUBGRADE				
Grad No.	Sieve Size and Percent Passing				
	8"	6"	4"	2"	#4
CS 01	100	97 ± 3	90 ± 10	45 ± 25	20 ± 20
CS 02		100	80 ± 10	25 ± 15	

	COARSE AGGREGATE SUBGRADE GRADATIONS				
Grad No.	Sieve Size and Percent Passing				
	200 mm	150 mm	100 mm	50 mm	4.75 mm
CS 01	100	97 ± 3	90 ± 10	45 ± 25	20 ± 20
CS 02		100	80 ± 10	25 ± 15	

(2) The 3 inch (75 mm) capping aggregate shall be gradation CA 6 or CA 10."

AGGREGATE SURFACE COURSE, TYPE B

(Effective January 1, 2007)

Add the following to Article 402.07 of the Standard Specifications:

The top layer shall be given a final rolling with a roller meeting the requirements of Article 1101.01.

HOT-MIX ASPHALT MIXTURE IL-19.0FG (BMPR)

Effective: December 1, 2009
Revised: December 6, 2010

Description. This work shall consist of constructing fine graded hot-mix asphalt (HMA) binder course with an IL-19.0FG mixture. Work shall be according to Sections 406, 407 and 1030 of the Standard Specifications, except as modified herein.

Materials. 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, or FA 21. For mixture IL-19.0FG, the fine aggregate fraction shall consist of at least 67 percent manufactured sand meeting FA 20 gradation. The manufactured sand shall be stone sand, slag sand, steel slag sand, or combinations thereof."

Mixture Design. Add the following to the table in Article 1030.04(a)(1):

"High ESAL, MIXTURE COMPOSITION (% PASSING) [1/]		
Sieve Size	IL-19.0FG	
	min	max
1 1/2 in (37.5 mm)		
1 in. (25 mm)		100
3/4 in. (19 mm)	90	100
1/2 in. (12.5 mm)	69	89
3/8 in. (9.5 mm)		
#4 (4.75 mm)	45	60
#8 (2.36 mm)	30	45
#16 (1.18 mm)	20	35
#30 (600 μm)		
#50 (300 μm)	8	15
#100 (150 μm)	6	9
#200 (75 μm)	3.5	5.5
Ratio Dust/Asphalt Binder		1.0

Revise the table in Article 1030.04(b)(1) of the Standard Specifications to read:

"VOLUMETRIC REQUIREMENTS High ESAL						
	Voids in the Mineral Aggregate (VMA), % minimum					Voids Filled with Asphalt Binder (VFA),%
Ndesign	IL-25.0	IL-19.0	IL-19.0FG	IL-12.5	IL-9.5	
50	12.0	13.0	13.5	14.0	15	65 - 78
70						65 - 75
90						
105						

Quality Control/Quality Assurance (QC/QA). Revise the second table in Article 1030.05(d)(4) to read:

DENSITY CONTROL LIMITS		
Mixture Composition	Parameter	Individual Test
IL-9.5, IL-12.5	$N_{design} \geq 90$	92.0 – 96.0 %
IL-9.5, IL-9.5L, IL-12.5	$N_{design} < 90$	92.5 – 97.4 %
IL-19.0, IL-19.0FG, IL-25.0	$N_{design} \geq 90$	93.0 – 96.0 %
IL-19.0, IL-19.0FG, IL-19.0L, IL-25.0	$N_{design} < 90$	93.0 – 97.4 %
All Other	$N_{design} = 30$	93.0 1/ - 97.4 %

1/ 92.0 % when placed as first lift on an unimproved subgrade.

Basis of Payment. Add the following two paragraphs after the third paragraph of Article 406.14 of the Standard Specifications:

Mixture IL-19.0FG will be paid for at the contract unit price per ton (metric ton) for HOT-MIX ASPHALT BINDER COURSE, IL-19.0FG, of the Ndesign specified.

Mixture IL-19.0FG in which polymer modified asphalt binders are required will be paid for at the contract unit price per ton (metric ton) for POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0FG, of the Ndesign specified."

HOT-MIX ASPHALT SURFACE COURSE, CUT OFF DATE

(Effective January 1, 2007)

Placement of Hot-Mix Asphalt Surface Course will not be permitted after October 15 unless approved, in writing, by the Engineer.

SAWCUT

This work, when required, shall be performed in accordance with Section 442 of the Standard Specifications except that this work will not be paid for separately, but included in the unit price for the associated items.

PIPE CULVERT REMOVAL

Removal of existing pipe culverts will be paid for at the contract unit price per foot for PIPE CULVERT REMOVAL, which the price shall include the removal and disposal of any culvert and any headwalls attached to culvert designated for removal. Also, included is the filling of holes or depressions left after removing the culvert and leveling the ground surface.

END SECTION GRATING

This work shall consist of furnishing and installing grating for pipe end sections in accordance with the details included in the plans. Grating shall be provided for all end sections having a diameter of 24" or larger.

This work will not be paid for separately, but shall be considered as included in the contract unit price of the end section.

CONNECTING TO EXISTING STORM SEWER

Proposed Manholes:
This work shall consist of constructing manholes with frames and grates or lids to connect to the existing storm sewer at the locations indicated on the plans. The existing storm sewer shall be removed to the nearest joints both upstream and downstream of the proposed structure. New class A storm sewer shall be provided between the existing storm sewer and the new manhole structure in accordance with Section 550 of the Standard Specifications. The Contractor shall verify the size and depth of the existing storm sewer before ordering the new pipe. This work shall be paid for at the contract unit price each for MANHOLES, of the type and diameter specified, and with the type of frame and grate or frame and lid specified.

Proposed Storm Sewer:
This work shall consist of connecting new storm sewer to existing storm sewer at the locations indicated on the plans. The existing storm sewer shall be removed to the nearest joint and the new storm sewer extended as necessary. All joints between new and existing storm sewer shall be sealed in accordance with Section 550 of the Standard Specifications. This work shall not be paid separately but shall be included in the contract unit price per foot for STORM SEWERS, of the class, type, and diameter specified.

DUCTILE IRON WATER MAIN and POLYETHYLENE WRAP

This work shall be accomplished according to United City of Yorkville Subdivision Control Ordinance and shall consist of excavation; bracing; bedding and cover;

polyethylene encasement; pipe joint restraint; trench dewatering; trench backfilling with excavated materials; testing; disinfecting; finish grading; removal and disposal of waste excavated materials; protection; replacement or repair of existing utilities.

Backfilling with select granular backfill materials, where located under or within four (4) feet of a pavement, driveway or sidewalk or other paved surface, will not be paid for separately but shall be included in the unit price for this contract as DUCTILE IRON WATER MAIN and POLYETHYLENE WRAP, of the size, type and class specified. Polyethylene wrap shall be a minimum 8-mil thickness.

This work will be paid for at the contract unit price per foot for DUCTILE IRON WATER MAIN and POLYETHYLENE WRAP, of the size, type and class specified, which prices shall include all excavation and backfill, bedding and cover, joint materials and restraints, hydrostatic tests, disinfection of the water main, water main, and polyethylene encasement and shall be measured along the installed centerline of pipe.

CONNECTION TO THE EXISTING SYSTEM

At the conclusion of water main installation for each section and after the new water main has satisfactorily been pressure tested and disinfected and all services have been switched over, that portion of the existing system within the section just completed shall be abandoned. This abandonment shall be accomplished with the use of line stops, valve closures and be performed such that all fittings on existing water mains to remain in service upon the completion of this project shall be removed and spool pieces of water main inserted in their place. The Contractor shall submit to the Engineer for review and approval, a sketch illustrating the sequencing and operations to be employed to complete the work. Except for the payment for line stops, which will be paid for separately, this work shall be considered included in the contract unit price for DUCTILE IRON WATER MAIN.

DISINFECTING WATER MAINS

This work shall be accomplished according to United City of Yorkville Standard Specifications for Improvements and shall be performed by an independent firm exhibiting experience in the methods and techniques of this operation, and shall be done in the presence of the Director of Public Works or his designated representative. The Director of Public Works shall be notified of the time of disinfection a minimum of twenty-four (24) hours prior to the disinfection. The disinfection shall be performed on all pipes that are newly constructed or tapped on to.

The cost of disinfecting and flushing water mains shall be included in the contract unit price for DUCTILE IRON WATER MAIN, of the size specified.

PRESSURE TEST

This work shall be accomplished according to United City of Yorkville Standard Specifications for Improvements. The Director of Public Works shall be notified of the time of the test a minimum of twenty-four (24) hours prior to the test. All pressure tests

shall be done in the presence of the Director of Public Works or his designated representative.

The cost of pressure testing the water mains shall be included in the contract unit price for DUCTILE IRON WATER MAIN, of the size specified.

INSERTING VALVES

The contractor shall install insertion valves at locations indicated on the plans, or as per the direction of the United City of Yorkville and/or Engineer. Insertion type valves shall comply with AWWA standards for permanent valve installation and shall be installed under pressure without disruption in service.

This work will be paid for at the contract unit price per each for INSERTING VALVES, of the size specified and shall include supplying and installing a trench adaptor and 5' diameter vault, installed complete and in-place.

The contract unit price shall include all labor, material, and equipment necessary to perform the work, which prices shall include all excavation and backfill, bedding and cover, bracing, pipe joint material and restraint, pipe, trench dewatering, disinfection, removal and disposal of waste excavated materials, protection, replacement or repair of existing utilities, removal and disposal of waste excavated materials, protection, replacement and repair of existing utilities, removal of existing fittings and labor. Any open cut trenching within four (4) feet of a proposed pavement, driveway, or sidewalk shall be backfilled with granular trench backfill and shall be included in the contract unit price for the inserting valve.

FIRE HYDRANT TO BE RELOCATED

This work shall be accomplished according to United City of Yorkville Subdivision Control Ordinance.

Where indicated on the plans, existing fire hydrants and auxiliary valves shall be removed and re-installed as coordinated with of the City Public Works Department. Contractor shall perform this work by the use of water main line stops. Contractor shall remove the existing fire hydrant with auxiliary valve and maintain the existing service tee and existing service line for reconnection and installation of the existing fire hydrant and auxiliary valve at new location.

Any open cut trenching within four (4) feet of a proposed pavement, driveway, or sidewalk shall be backfilled with granular trench backfill and shall be considered incidental. This work will be paid for at the contract unit price per each for FIRE HYDRANT TO BE RELOCATED, installed complete and in-place. The use of water main line stops in conjunction with fire hydrant and auxiliary valve relocation is not included and shall be paid for separately at the contract price for WATER MAIN LINE STOP, described elsewhere within these Specifications. Six (6) inch diameter service pipe shall be considered incidental to the cost per each for FIRE HYDRANT TO BE RELOCATED.

FIRE HYDRANT TO BE REMOVED

This work shall be accomplished according to United City of Yorkville Subdivision Control Ordinance.

This work shall consist of removing fire hydrants and their auxiliary valves and valve boxes as coordinated with of the City Public Works Department

The removed material shall be disposed of according to Article 202.03 of the Standard Specifications.

The Contractor shall provide and install a cap on the existing fire hydrant lead. The hole formed by the removal of a fire hydrant shall be backfilled with fine aggregate.

Any fire hydrant not in service shall be securely covered or bagged to prevent accidental use. Non-operative or out of service fire hydrants shall be reported to the City Public Works Department immediately.

Basis of Payment

This work will be paid for at the contract unit price per each for FIRE HYDRANT TO BE REMOVED, which price shall include the furnishing and installation of the cap, trench backfill and disposal of the removed material.

FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX

This work shall be accomplished according to United City of Yorkville Subdivision Control Ordinance and the detail shown on the plans.

This work will be paid for at the contract unit price per each for FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX, installed complete and in-place, including the six (6) inch diameter service pipe.

SANITARY SERVICE TO BE ADJUSTED, WATER SERVICE TO BE ADJUSTED, or DOMESTIC WATER SERVICES TO BE MOVED

This work shall consist of reconnecting sanitary or water services disconnected or damaged due to elevation conflicts with the proposed construction; or at the direction of the Engineer. Approximate location of services shall be marked by "J.U.L.I.E." and the Contractor shall exercise care in excavating these areas. The Contractor shall repair, at his own expense, all services disconnected or damaged due to negligence. The Contractor, at his own expense, may disconnect, move, and reconnect services to expedite installation of the storm sewer and/or water main.

This work and all materials utilized shall comply with Illinois Environmental Protection Agency and City standards. The contractor shall have fittings and material on site prior to starting work and the repair shall be made within a reasonable time period as determined by the City to minimize service disruption.

This work shall be measured and paid as each for SANITARY SERVICE TO BE ADJUSTED SANITARY, WATER SERVICE TO BE ADJUSTED, or DOMESTIC

WATER SERVICES TO BE MOVED, which price shall include all equipment, field locates, supplies and materials such as excavation and backfill, bedding and cover, bracing, pipe joint material and restraint, pipe and fittings, testing, removal and disposal of waste excavated materials, protection, replacement or repair of existing utilities, removal of existing fittings and installation of new fittings, cutting of existing services, and labor. Each sanitary service being adjusted shall extend from the existing sanitary sewer to the right-of-way line at elevation and slope as directed by the Engineer; at which point it shall be connected to the existing service lateral. Each water service being adjusted shall extend from the existing water main to the right-of-way line or as directed by the Engineer; at which point it shall be connected to the existing water main. Any open cut trenching within four (4) feet of a proposed pavement, driveway, or sidewalk shall be backfilled with granular trench backfill and shall be included in the contract unit price for sanitary service or water service adjustments.

REMOVING MANHOLES, CATCH BASINS, OR INLETS ADJACENT TO EXISTING WATER MAIN

The Contractor shall exercise extreme caution when removing manholes so as not to damage existing water main (that is not to be removed or abandoned) running through or adjacent to the structure to be removed. Any water main to remain in operation that is damaged as a result of the Contractor's operations shall be replaced at the Contractor's expense.

TRAFFIC CONTROL PLAN

(Revised May 31, 2014)

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

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

Standard Specifications:

- Section 701 - Work Zone Traffic Control and Protection
- Section 703 - Work Zone Pavement Marking
- Section 780 – Pavement Striping
- Section 781 - Raised Reflective Pavement Markers
- Section 783 - Pavement Marking and Marker Removal
- Section 862 - Uninterruptable Power Supply
- Section 1106 – Work Zone Traffic Control Devices

ERRATA Standard Specifications for Road and Bridge Construction

Supplemental Specifications:

- Section 701 – Work Zone Traffic Control and Protection

Section 780 – Pavement Striping
Section 1095 – Pavement Markings
Section 1106 – Work Zone Traffic Control Devices

Highway Standards:

701001	701006	701011	701101	701106
701301	701427	701701	701801	701901

In addition, the following also relate to traffic control for this project:

RECURRING SPECIAL PROVISIONS
Work Zone Traffic Control
Flaggers in Work Zones

SPECIAL PROVISIONS
Contractor Access
Pavement Marking Removal / Work Zone Pavement Marking Removal
Traffic Control and Protection, (Special)
Detour Signing
Automated Flagger Assistance Device (BDE)

TRAFFIC CONTROL SURVEILLANCE: In addition to the Standard Specifications for Article 701.10 Surveillance, this item will be required when Traffic Standard 701101, 701701, and 701801 are in place. Surveillance will not be paid for separately, but shall be included in the contract unit price for the TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

PAVEMENT MARKING REMOVAL/WORK ZONE PAVEMENT MARKING REMOVAL

(Effective August 15, 2005; Revised January 1, 2009)

All permanent and work zone pavement markings shall be removed according to Article 1101.12 Water Blaster with Vacuum Recovery and the applicable portions of Sections 703 and 783 of the Standard Specifications and as described herein. Pavement marking tape type III may be peeled or burned off, however, all remnants or burn marks shall be hydro-blasted.

Add the following paragraph to Article 1101.12 of the Standard Specifications.

For the high pressure water spray, the pressure at the nozzle shall be approximately 25,000 psi (172,000 kPa) with maximum flow rate of 15 gal/min (56 L/min). The nozzle shall be in close proximity to the pavement surface.

CONTRACTOR ACCESS

(Revised August 15, 2005; Revised January 1, 2008)

At road closure locations where Type III barricades are installed in a manner that will not allow contractor access to the project without relocation of one or more of the barricades, the arrangement of the barricades at the beginning of each work day may be

altered, when approved by the Engineer, in the manner shown on Highway Standard 701901 for Road Closed to Through Traffic. "Road Closed" signs (R11-2), supplemented by "Except Authorized Vehicles" signs (R3-I101), shall be mounted on both the near right and the far left barricade(s). At the end of each work day, the barricades shall be returned to their in-line positions. This work will not be paid for separately, but shall be included in the associated traffic control pay items.

Additional barricades, drums or cones, required by the Engineer to control traffic when relocation for contractor access is used, will not be paid for separately, but shall be included in the associated traffic control pay items.

CHANGEABLE MESSAGE SIGNS

This work shall consist of furnishing, placing, and maintaining changeable message sign(s) at the locations(s) shown on the plans or as directed by the Engineer. For one (1) week prior to traffic signal activation, the message shall read "NEW SIGNAL AHEAD – TURN ON DATE ..." For three (3) weeks after traffic signal activation, the message shall read "NEW SIGNAL AHEAD – BE PREPARED TO STOP". The Contractor shall promptly program and/or reprogram the computer to provide additional messages if directed by the Engineer.

The sign(s) shall be trailer mounted. The message panel shall be at least 2.1 m (seven (7) feet) above the pavement, present a level appearance, and be capable of displaying up to eight (8) characters in each of three (3) lines at a time. Character height shall be four hundred fifty (450) mm (eighteen (18) inch).

The message panel shall be of either a bulb matrix or disc matrix design controlled by an onboard computer capable of storing a minimum of ninety-nine (99) programmed messages for instant recall. The computer shall be capable of being programmed to accept messages created by the operator via an alpha-numeric keyboard and able to flash any six (6) messages in sequence.

The message panel shall also be capable of being controlled by a computer from a remote location via a cellular linkage. The Contractor shall supply the modem, the cellular phone, and the necessary software to run the sign from a remote computer at a location designated by the Engineer.

The message panel shall be visible from four hundred (400) m (1/4 mile) under both day and night conditions. The letters shall be legible from two hundred fifty (250) m (seven hundred fifty (750) feet). The message shall be as directed by the Engineer.

The sign shall include automatic dimming for nighttime operation and a power supply capable of providing twenty-four (24) hours of uninterrupted service.

The Contractor shall furnish four (4) Changeable Message Signs for this project. The signs shall be operational two (2) weeks prior to any lane closure and shall be located as directed by the Engineer. Any relocation of the signs directed by the Engineer during construction will not be paid for separately, but shall be included in the cost of the Changeable Message Sign.

The Contractor shall provide all preventive maintenance efforts he/she deems necessary to achieve uninterrupted service. If service is interrupted for any cause and not restored within twenty-four (24) hours, the Engineer will cause such work to be performed as may be necessary to provide this service. The cost of such work shall be borne by the Contractor or deducted from current or future compensation due the Contractor.

When the sign(s) are displaying messages, they shall be considered a traffic control device. At all times when no message is displayed, they shall be considered equipment. Locations shall be as shown and described on the plans.

Basis of Payment. When portable changeable message signs are shown on the Standard, this work will not be paid for separately but shall be considered as included in the cost of the Standard.

Any relocation of the signs directed by the Engineer during construction will not be paid for separately, but shall be included in the cost of the Changeable Message Sign.

For all other portable changeable message signs, this work will be paid for at the contract unit price per calendar month for each sign as CHANGEABLE MESSAGE SIGN.

RELOCATE GROUND MOUNTED SIGN SUPPORT

This work shall consist of relocating existing signs and their supports to the locations indicated in the plans. This work shall be performed in accordance with Section 724 of the Standard Specifications and paid for at the contract unit price each for RELOCATE GROUND MOUNTED SIGN SUPPORT.

REMOVE EXISTING FLARED END SECTION

Removal of flared end sections will be paid for at the contract unit price per each for REMOVE EXISTING FLARED END SECTION, which the price shall include the removal and disposal of any storm sewer flared end section designated for removal.

REMOVE AND RELOCATE FLAGPOLE

This work shall consist of removing and relocating the existing flagpole and appurtenances at the location indicated in the plans.

The existing flag, pole, and all associated hardware and appurtenances shall be relocated to a location designated by the Engineer.

Basis of Payment
This work will be paid for at the contract unit price per each for REMOVE AND RELOCATE FLAGPOLE and shall be payment in full for all labor, materials, and equipment required to conform with the above requirements.

TELEVISION INSPECTION OF SEWER

All newly installed sanitary sewers and storm sewers shall be internally televised in color and submitted on compact disk to the United City of Yorkville along with a written report. Any deficiencies found shall be repaired and then re-televised to the satisfaction of the United City of Yorkville. Only the original televising will be paid per contract price; any subsequent re-televising will be at the expense of the Contractor.

This work shall include all labor, materials, and equipment necessary to televise the sewer. This work will be paid for at the contract price per lineal foot price for TELEVISION INSPECTION OF SEWER.

EXPLORATION TRENCH, SPECIAL

(Revised January 1, 2007)

This work shall consist of constructing a trench for the purpose of verifying clearances and locations of existing utilities and storm sewers. The exploration trench shall be constructed at the locations directed by the Engineer.

The depth of the trench shall be variable. The width of the trench shall be sufficient to allow proper investigation of the entire trench.

After the trench has been inspected by the Engineer. The excavated material shall be used to backfill the trench in a manner satisfactory to the Engineer. Any excess materials shall be disposed of according to Article 202.03 of the Standard Specifications.

This work will be paid for at the contract unit price per foot for EXPLORATION TRENCH, SPECIAL.

AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS

Revise Article 402.10 of the Standard Specifications to read:
The contractor shall construct and maintain aggregate surface course for temporary access to private entrances, commercial entrances and roads according to Article 402.07 and as directed by the Engineer.

The aggregate surface course shall be constructed to the dimensions and grades specified below, except as modified by the plans or as directed by the Engineer.

(a) Private Entrance. The minimum width shall be twelve (12) feet. The minimum compacted thickness shall be one hundred fifty (150) mm (six (6) inch). The maximum grade shall be eight (8) percent, except as required to match the existing grade.
(b) Commercial and School Entrance. The minimum width shall be 7.2 m (twenty-four (24) feet). The minimum compacted thickness shall be two hundred thirty (230) mm (nine (9) inch). The maximum grade shall be six (6) percent, except as required to match the existing grade.
(c) Road. The minimum width shall be 7.2 m (twenty-four (24) feet). The minimum compacted thickness shall be two hundred thirty (230) mm (nine (9) inch). The

grade and elevation shall be the same as the removed pavement, except as required to meet the grade of any new pavement constructed.

Maintaining the temporary access shall include relocating and/or regarding the aggregate surface coarse for any operation that may disturb or remove the temporary access. The same type and gradation of material used to construct the temporary access shall be used to maintain it. When use of the temporary access is discontinued, the aggregate shall be removed and utilized in the permanent construction or disposed of according to Article 202.03."

Add the following to Article 402.12 of the Standard Specifications:
"Aggregate surface course for temporary access will be measured for payment as each for every private entrance, commercial entrance or road constructed for the purpose of temporary access. If a residential drive, commercial entrance, or road is to be constructed under multiple stages, the aggregate needed to construct the second or subsequent stages will not be measured for payment but shall be included in the cost per each of the type specified."

Revise the second paragraph of Article 402.13 of the Standard Specifications to read:
"Aggregate surface course for temporary access will be paid for at the contract unit price per each for TEMPORARY ACCESS (PRIVATE ENTRANCE). TEMPORARY ACCESS (COMMERICAL ENTRANCE) or TEMPORARY ACCESS (ROAD).

Partial payment of the each amount bid for temporary access, of the type specified, will be paid according to the following schedule:

(a) Upon construction of the temporary access, sixty (60) percent of the contract unit price per each, of the type constructed, will be paid.

Subject to the approval of the Engineer for the adequate maintenance and removal of the temporary access, the remaining forty percent of the pay item will be paid upon the permanent removal of the temporary access."

HOT-MIX ASPHALT – PRIME COAT

(Effective: January 1, 2012; Revised: August 1, 2013)

Revise Note 1 of Article 406.02 of the Standard Specifications to read:

"Note 1. The bituminous material used for prime coat shall be one of the types listed in the following table. When more than one type is shown for a particular application, the Engineer reserves the right to specify the type which shall be used.

When emulsified asphalts are used, any dilution with water shall be performed by the emulsion producer. The emulsified asphalt shall be thoroughly agitated within 24 hours of application and show no separation of water and emulsion.

Application	Bituminous Material Types

Prime Coat on Brick, Concrete, or HMA Bases	SS-1, SS-1h, SS-1hP, SS-1vh, CSS-1, CSS-1h, CSS-1hP, HFE-90, RC-70
Prime Coat on Aggregate Bases	MC-30, PEP"

Revise Article 406.05(b) of the Standard Specifications to read:

"(b) Prime Coat. The bituminous material shall be prepared according to Article 403.05 and applied according to Article 403.10. The use of RC-70 shall be limited to air temperatures less than 60 ^{0}F (15 ^{0}C)."

"(1) Brick, Concrete or HMA Bases. The base shall be cleaned of all dust, debris and any substance that will prevent the prime coat from adhering to the base. Cleaning shall be accomplished by sweeping and vacuuming or sweeping and air blasting methods, as approved by the Engineer. The base shall be free of standing water at the time of application. The prime coat shall be applied uniformly and at a rate that will provide a residual asphalt rate on the prepared surface as specified in the following table.

Type of Surface to be Primed	Residual Asphalt Rate lb/sq ft (kg/sq m)
Milled HMA, Aged Non-Milled HMA, Milled Concrete, Non-Milled Concrete & Tined Concrete	0.05
Fog Coat between HMA Lifts, IL-4.75 & Brick	0.025

The bituminous material for the prime coat shall be placed one lane at a time. The primed lane shall remain closed until the prime coat is fully cured and does not pickup under traffic. When placing prime coat through an intersection where it is not possible to keep the lane closed, the prime coat may be covered immediately following its application with fine aggregate mechanically spread at a uniform rate of 2 to 4 lb/sq yd (1 to 2 kg/sq m).

(2) Aggregate Bases. The prime coat shall be applied uniformly and at a rate that will provide a residual asphalt rate on the prepared surface of 0.25 lb/sq ft ± 0.01 (1.21 kg/sq m ± 0.05).

The prime coat shall be permitted to cure until the penetration has been approved by the Engineer, but at no time shall the curing period be less than 24 hours for MC-30 or four hours for PEP. Pools of prime occurring in the depressions shall be broomed or squeegeed over the surrounding surface the same day the prime coat is applied.

The base shall be primed 1/2 width at a time. The prime coat on the second half/width shall not be applied until the prime coat on the first half/width has cured so that it will not pick up under traffic.

The asphalt binder rate will be verified a minimum of once per application type consisting of at least 2000 tons of HMA according to the "Determination of Residual Asphalt in Prime and Tack Coat Materials" test procedure.

Prime coat shall be fully cured prior to placement of HMA to prevent pickup by haul trucks or paving equipment. If pickup occurs, paving shall cease in order to provide additional cure time.

Prime coat shall be placed no more than five days in advance of the placement of HMA. If after five days loss of prime coat is evident prior to covering with HMA, additional prime coat shall be placed as determined by the Engineer at no additional cost to the Department."

Revise the second paragraph of Article 406.13(b) of the Standard Specifications to read:

"Aggregate for covering prime coat will not be measured for payment."

Revise the first paragraph of Article 406.14 of the Standard Specifications to read:

"Prime Coat will be paid for at the contract unit price per pound (kilogram) of residual asphalt applied for BITUMINOUS MATERIALS (PRIME COAT), POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) or NON-TRACKING BITUMINOUS MATERIALS (PRIME COAT)."

Revise Article 1032.02 of the Standard Specifications to read:

"1032.02 Measurement. Asphalt binders, emulsified asphalts, rapid curing liquid asphalt, medium curing liquid asphalts, slow curing liquid asphalts, asphalt fillers, and road oils will be measured by weight.

A weight ticket for each truck load shall be furnished to the inspector. The truck shall be weighed at a location approved by the Engineer. The ticket shall show the weight of the empty truck (the truck being weighed each time before it is loaded), the weight of the loaded truck, and the net weight of the bituminous material.

When emulsion is used, the proportions of emulsion and any water added to the emulsion shall be shown on the Bill of Lading.

Payment will not be made for bituminous materials in excess of 105 percent of the amount specified by the Engineer."

Add the following to the table in article 1032.04 of the Standard Specifications:

"SS-1vh	160 - 180	70 – 80"

Add the following to Article 1032.06 of the Standard Specifications:

"(g) Non Tracking Emulsified Asphalt SS-1vh:

Requirements for SS-1vh		
Test	SPEC	AASHTO Test Method
Saybolt Viscosity @ 25C, SFS	20-200	T 72
Storage Stability, 24hr., %	1 max.	T 59
Residue by Evaporation, %	50 min.	T 59
Sieve Test, %	0.3 max.	T 59
Tests on Residue from Evaporation		
Penetration @25°C, 100g., 5 sec., dmm	20 max.	T 49
Softening Point, °C	65 min.	T 53
Solubility, %	97.5 min.	T 44
Orig. DSR @ 82°C, kPa	1.00 min.	T 315"

Revise the last table of Article 1032.06 to read:

"Grade	Use
SS-1, SS-1h, CSS-1, CSS-1h, HFE-90, SS-1hP, CSS-1hP, SS-1vh	Prime or fog seal
PEP	Bituminous surface treatment prime
RS-2, HFE-90, HFE-150, HFE- 300, CRSP, HFP, CRS-2, HFRS-2	Bituminous surface treatment
CSS-1h Latex Modified	Microsurfacing"

WATER MAIN JOINT RESTRAINT

Mechanical joint restraint shall be used instead of concrete thrust blocks. All bends of 22.5 degrees or greater, and all tees and plugs shall be thrust protected to prevent movement of the line under pressure. Mechanical joint restraint shall be incorporated in the design of the follower gland. The restraint mechanism shall consist of individually activated gripping surfaces to maximize restraint capabilities. Glands shall be manufactured of ductile-iron conforming to ASTM/A536-80. The gland shall be such that it can replace the standardized mechanical joint gland and can be used with the standardized mechanical joint bell conforming to ANSI/AWWA A21.11/C111 and ASNI/AWWA A21.53/C153 of the latest revision. Twist-off nuts, sized same as tee-head bolts, shall be used to ensure proper activating of restraining devices. The restraining glands shall have a pressure rating equal to that of the pipe on which it is used. The restraining glands shall be EBAA Iron Inc. Megalug, Romac Industries, Inc. Grip Ring, or equal. Thrust restraint shall be included in the per pound unit price DUCTILE IRON WATER MAIN FITTINGS.

DUCTILE IRON WATER MAIN FITTINGS

Water main fittings shall be ductile iron, tar coated, and cement-lined with mechanical joints, and rated at a minimum of 250 PSI. All bends shall have restrained joints using Mega-Lug glands or approved equal. Payment shall be on a per POUND basis for water main fittings complete and in place, to include joint accessories, as listed in the following Fitting Weights tables.

4" WATER MAIN FITTING WEIGHTS WITH JOINT ACCESSORIES

BENDS:	MJ	MJ-PE
90E	42 lb.	36 lb.
45E	38 lb.	30 lb.
22.5E	37 lb.	28 lb.
11.25E	36 lb.	27 lb.

TEES AND CROSSES:	TEES-MJ	CROSSES-MJ
4 x 4	59 lb.	74 lb.
4 x 3	53 lb.	64 lb.

WYES:	MJ
4 x 4	69 lb.
4 x 3	61 lb.

REDUCERS:	MJ	PE	SEMJ-LEPE	LEMJ-SEPE
4 x 3	31 lb.	17 lb.	22 lb.	26 lb.

SLEEVES:	SHORT	LONG
	33 lb.	41 lb.

PLUG/CAPS:	PLUG	CAP
	10 lb.	18 lb.

6" WATER MAIN FITTING WEIGHTS WITH JOINT ACCESSORIES

BENDS:	MJ	MJ-PE
90E	70 lb.	56 lb.
45E	60 lb.	48 lb.
22.5E	59 lb.	47 lb.
11.25E	55 lb.	43 lb.

TEES AND CROSSES:	TEES-MJ	CROSSES-MJ
6 x 6	93 lb.	124 lb.
6 x 4	81 lb.	100 lb.
6 x 3	74 lb.	

WYES:	MJ
6 x 6	126 lb.
6 x 4	97 lb.

REDUCERS:	MJ	PE	SEMJ-LEPE	LEMJ-SEPE
6 x 4	46 lb.	26 lb.	34 lb.	38 lb.

6 x 3	42 lb.	20 lb.	30 lb.	38 lb.

SLEEVES:	SHORT	LONG
	50 lb.	61 lb.

PLUG/CAPS:	PLUG	CAP
	18 lb.	28 lb.

8" WATER MAIN FITTING WEIGHTS WITH JOINT ACCESSORIES

BENDS:	MJ	MJ-PE
90E	98 lb.	80 lb.
45E	89 lb.	71 lb.
22.5E	81 lb.	65 lb.
11.25E	78 lb.	59 lb.

TEES AND CROSSES:	TEES-MJ	CROSSES-MJ
8 x 8	135 lb.	180 lb.
8 x 6	121 lb.	160 lb.
8 x 4	109 lb.	130 lb.

WYES:	MJ
8 x 8	181 lb.
8 x 6	151 lb.
8 x 4	131 lb.

REDUCERS:	MJ	PE	SEMJ-LEPE	LEMJ-SEPE
8 x 6	66 lb.	36 lb.	48 lb.	54 lb.
8 x 4	59 lb.	33 lb.	42 lb.	51 lb.

SLEEVES:	SHORT	LONG
	68 lb.	83 lb.

PLUG/CAPS:	PLUG	CAP
	26 lb.	40 lb.

10" WATERMAIN FITTING WEIGHTS WITH JOINT ACCESSORIES

BENDS:	MJ	MJ-PE
90E	147 lb.	129 lb.
45E	121 lb.	103 lb.
22.5E	107 lb.	86 lb.
11.25E	101 lb.	80 lb.

TEES AND CROSSES:	TEES-MJ	CROSSES-MJ
10 x 10	180 lb.	235 lb.
10 x 8	166 lb.	208 lb.
10 x 6	144 lb.	180 lb.
10 x 4	131 lb.	154 lb.

WYES:	MJ
10 x 10	259 lb.
10 x 8	225 lb.
10 x 6	187 lb.
10 x 4	166 lb.

REDUCERS:	MJ	PE	SEMJ-LEPE	LEMJ-SEPE
10 x 8	89 lb.	47 lb.	67 lb.	72 lb.
10 x 6	78 lb.	48 lb.	59 lb.	72 lb.
10 x 4	75 lb.	49 lb.	54 lb.	63 lb.

SLEEVES:	SHORT	LONG
	89 lb.	104 lb.

PLUG/CAPS:	PLUG	CAP
	36 lb.	55 lb.

12" WATERMAIN FITTING WEIGHTS WITH JOINT ACCESSORIES

BENDS:	MJ	MJ-PE
90E	185 lb.	157 lb.
45E	155 lb.	130 lb.
22.5E	124 lb.	99 lb.
11.25E	123 lb.	88 lb.

TEES AND CROSSES:	TEES-MJ	CROSSES-MJ
12 x 12	244 lb.	300 lb.
12 x 10	217 lb.	271 lb.
12 x 8	182 lb.	236 lb.
12 x 6	170 lb.	206 lb.

WYES:	MJ
12 x 12	338 lb.
12 x 10	287 lb.
12 x 8	247 lb.
12 x 6	241 lb.

REDUCERS:	MJ	PE	SEMJ-LEPE	LEMJ-SEPE
12 x 10	120 lb.	59 lb.	82 lb.	87 lb.
12 x 8	101 lb.	62 lb.	77 lb.	87 lb.
12 x 6	100 lb.	58 lb.	69 lb.	88 lb.
12 x 4	97 lb.	60 lb.	69 lb.	90 lb.

SLEEVES:	SHORT	LONG
	100 lb.	126 lb.

PLUG/CAPS:	PLUG	CAP
	46 lb.	66 lb.

ABANDON EXISTING WATER MAIN, FILL WITH CLSM

Description: This work shall consist of the abandonment and filling with controlled low strength material (flowable fill). The work shall be performed in accordance with Article

551 and 605 of the Standard Specifications, Division IV of the Standard Specifications for Water and Sewer Main Construction in Illinois (Latest Edition), except as revised herein.

Water Main shall be capped on each end of the abandoned section. The cap shall not be paid for separately and shall be considered included in the cost of ABANDON EXISTING WATER MAIN, FILL WITH CLSM.

Method of Measurement: This work shall be measured per linear foot for water main to be abandoned.

Basis of Payment: This work will be paid for at the contract unit price per linear foot for ABANDON EXISTING WATER MAIN, FILL WITH CLSM.

WATER MAIN LINE STOP 8"

All water main line stops shall be accomplished according to Sections 562 of the Standard Specifications and materials according to the United City of Yorkville Subdivision Control Ordinance.

This work shall consist of stopping the water main as indicated in the plans in order to complete the installation of the water main. This work will be paid for at the contract unit price per each for WATER MAIN LINE STOP 8", which price shall include all work and materials required to complete the water main line stop.

WATER SERVICE CONNECTION (SHORT)

All water service connections shall be accomplished according to Sections 562 of the Standard Specifications and materials according to the United City of Yorkville Subdivision Control Ordinance.

This work shall consist of field locating, removing and terminating the water service from the existing water main, and connecting the service to the new main complete and in place with, corporation stop, appropriate length and size of type "K" copper tubing, correct size coupling, curb stop, service box, and required fittings as described on the Plans and Details. One (1) inch diameter Type K copper water service tubing shall be used for all short water services, and may be installed by the open cutting method.

Each water service shall extend from the new water main to the existing curb stop or the right-of-way line, at the direction of the engineer. Any open cut trenching within four (4) feet of a proposed pavement, driveway, or sidewalk shall be backfilled with granular trench backfill and shall be included in the contract unit price for water service connections.

This work shall be measured and paid for at the contract unit price per each for WATER SERVICE CONNECTION (SHORT). The contract unit price shall include all equipment, field locates, materials, supplies, and labor necessary to install and backfill the water services as described in this Specification. All water service lines for this project shall be water service connection (short).

CUT AND CAP EXISTING 8" WATER MAIN

Description: This work shall consist of cutting and capping existing water main at the locations shown on the plans.

This work includes locating the existing water main, excavation and removal and disposal of excavated material, sheeting as required, temporary fencing of the work site as required, and backfilling of the excavation to the existing sub grade.

Caps shall be ductile iron designed to fit the water main.

The work shall be performed in accordance with Article 551 and 605 of the Standard Specifications, Division IV of the Standard Specifications for Water and Sewer Main Construction in Illinois.

Excavation and backfill for water main removal shall conform to the typical sections shown in the plans and shall conform to the provisions of Sections 20, 21, and 22 of the Standard Specifications for Water & Sewer Main Construction in Illinois.

The Cutting and capping of the existing water main shall be completed prior to placing the water main back in service and shall be done in accordance with the construction requirements of the special provision "Connection to Existing Water Main" contained herein.

Blocking to prevent movement of lines under pressure at bends, tees, caps, valves, plugs and hydrants shall be a minimum twelve inch (12") thick Precast Portland Cement Concrete Block, placed between undisturbed soil and the fittings, and shall be anchored in such a manner that pipe and fitting joints will be accessible for repairs.

The cost of thrust blocking is considered included in the cost of the item being installed.

Method of Measurement: This work shall be measured per each existing water main cut and capped for the specified size of existing water.

Basis of payment. This work will be paid for at the contract unit price for each for CUT AND CAP EXISTING WATER MAIN at the size and type specified.

CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE)

This work shall be accomplished at locations shown on the plans. Any necessary shut down of existing mains shall be coordinated with the City Public Works Department. Connection to existing mains shall be done following installation of the new water main, pressure testing, chlorination and transfer of existing services. The existing water mains to be abandoned shall be drained and the ends plugged.

This work will be paid for at the contract unit price per each for CONNECTION TO EXISTING WATERMAIN of the size specified, which price shall include all required mechanical joint fittings and "megalug" restrained joints complete and in-place.

SANITARY MANHOLES TO BE RECONSTRUCTED

This work shall be performed in accordance with Section 602 and 603 of the Standard Specifications. This item shall include removal and replacement of the existing frame and lid, performing an adjustment to final grade, and installation of new frame and lid (Neenah R-1030), or approved equal, with "United City of Yorkville" and "Sanitary" cast into the lid. This work item shall also include reconstruction of the manhole bench in accordance with *the* Yorkville-Bristol Sanitary Districts Standards and Specifications latest revisions.

An "Infi-Shield", or approved equal chimney seals shall be installed on all manholes to be adjusted. The manhole reconstruction shall be paid for at the unit price per each for SANITARY MANHOLES TO BE RECONSTRUCTED, and shall include all equipment, labor, and materials to excavate and reconstruct the structure and backfill the trench and dispose of any excess or unsuitable material.

TRAFFIC CONTROL AND PROTECTION, (SPECIAL)

This work shall consist of providing traffic control and protection in accordance with Section 701 of the Standard Specifications and the specific plan details, notes, and special provisions that have been prepared for this contract.

Method of Measurement

All traffic control (except work zone pavement marking) required by Section 701 of the Standard Specifications and the specific traffic control plan details, notes, and special provisions will be measured for payment on a lump sum basis.

Short term pavement markings and temporary pavement markings of the various line widths will be measured for payment in feet. Double yellow lines will be measured as two separate lines.

Letters and symbols used in conjunction with the temporary pavement marking, conforming to the sizes and dimensions specified in the plan details, will be measured for payment in square feet.

Short term and temporary pavement marking removal will be measured for payment in square feet.

Basis of Payment

All traffic control and protection will be paid for at the contract lump sum price for TRAFFIC CONTROL AND PROTECTION, (SPECIAL). This price shall be payment in full for all labor, materials, transportation, handling, and incidental work necessary to furnish, install, maintain, and remove all traffic control devices required by Section 701 of the Standard Specifications and the specific traffic control plan details, notes, and special provisions and as approved by the Engineer.

SHORT-TERM PAVEMENT MARKING and TEMPORARY PAVEMENT MARKING will be paid for separately in accordance with Section 703 of the Standard Specifications and these Special Provisions. Removal will be paid for at the contract unit price per square foot for WORK ZONE PAVEMENT MARKING REMOVAL.

The roadway's middle segment in front of the Yorkville High School and Middle School shall be constructed during the summer months when school traffic will be at a minimum. The contractor shall not begin removal operations within the stage II area as shown on the maintenance of traffic plans before the end of the school year. The work in this area shall be expedited to be complete by the first day of fall 2015 classes. Continuous access to all schools shall occur during spring and summer. The contractor shall stage the construction in front of the middle and high schools so that at least one (1) entrance has uninhibited access at all times. At no time shall both entrances be closed at the same time. Storm sewer outfalls and underground water and sanitary sewer utility work can be done on non-school days to provide positive drainage and continuous service as needed. This work is included in the cost of TRAFFIC CONTROL AND PROTECTION (SPECIAL), LUMP SUM. No additional compensation shall be allowed for traffic control and construction sequence for school access.

REMOVE SIGN COMPLETE

Existing signs and supports not designated to remain or for relocation shall be removed as directed by the Engineer. Existing signs with flashers shall be salvaged and delivered to the engineer. This work shall be included in the contract unit price per each for REMOVE SIGN COMPLETE.

SANITARY SERVICE CONNECTION

This work shall be accomplished according to United City of Yorkville Standard Specifications for Improvements latest edition and also according to the Yorkville-Bristol Sanitary Districts Standards and Specifications latest revisions.

This work shall be paid for at the contract price per each for SANITARY SERVICE CONNECTION, of the size and type designated and shall include all equipment, labor, and materials to excavate and install the infrastructure and backfill the trench and dispose of any excess or unsuitable material. Each sanitary service shall extend from the new sanitary sewer to the right-of-way line. Any open cut trenching within four (4) feet of a proposed pavement, driveway, or sidewalk shall be backfilled with granular trench backfill and shall be included in the contract unit price for sanitary service connection and riser.

RELOCATE SIGN AND BASE

This work shall involve the relocation of the large informational sign in front of Yorkville High School near station 524+25, left side. A detail of the existing sign is included in the plans for informational purposes only.

This work shall be paid for at the contract unit price per each for RELOCATE SIGN AND BASE. This price shall include the cost of electrical reconnections, concrete support pad, and removal of the existing foundation to the satisfaction of the engineer. This work shall be completed during summer break when the regular school is not in session.

TREE PROTECTION, SPECIAL

Tree protection and root pruning shall be performed at the tree at the location of the retaining wall near station 515+50, left side and extend three (3) feet into the ground in a trench between the two (2) nearest proposed driveways by an arborist from driveway to driveway in the late winter or early spring before leaf buds appear. Immediately after pruning, the temporary fencing shall be placed one (1) foot west of the pruning trench. Crushed limestone shall not be used within tree pruning limits for sidewalk and retaining wall. A chemical agent will be applied by the United City of Yorkville to improve the tree's ability to recover from root loss.

This work will be paid for as a lump sum contract unit price for TREE PROTECTION, SPECIAL. Temporary fence is paid for separately.

SANITARY MANHOLE, 4' DIAMETER

This work shall be accomplished according to United City of Yorkville Standard Specifications for Improvements latest edition and also according to the Yorkville-Bristol Sanitary Districts Standards and Specifications latest revisions.

This work shall be paid for at the contract price per each for SANITARY MANHOLE of the size and type designated and shall include all equipment, labor, and materials to excavate and install the infrastructure and backfill the trench and dispose of any excess or unsuitable material.

FENCE (SPECIAL)

This work shall consist of the installation of an aluminum fence railing with a black finish (1) foot away from the top of the Precast Modular Retaining Wall between stations 547+49.00, 41' RT and 548+63.00, 41' RT as shown on the plans. This work shall be paid for at the contract price per foot for FENCE (SPECIAL) of the size and type designated and shall include all equipment, labor, and materials to excavate and install the infrastructure.

JOINT SEALANT (SPECIAL)

This work shall consist of the installation of a cleaned and sealed rubberized asphalt cement hot-poured joint sealer between all proposed edge of pavement and proposed curb and gutter as coordinated with the United City of Yorkville. This work shall be paid for at the contract price per foot for JOINT SEALANT (SPECIAL) and shall include all equipment, labor, and materials for installation.

TEMPORARY FENCE, 6'-FOOT CHAIN LINK

This work shall consist of the installation, maintenance, and removal of a temporary 6' chain link fence as designated in the plans. This work shall be paid for at the contract price per foot for TEMPORARY FENCE, 6'-FOOT CHAINK LINK of the size and type designated and shall include all equipment, labor, and materials to install, maintain, and remove upon completion.

DETOUR SIGNING

This work shall be performed in accordance with Section 104.04 of the Standard Specifications with the following revision:

The contractor will mark an alternative detour route, as shown on the plans when the road is closed for public use.

Location of the signs shall be adjusted for maximum visibility as directed by the Engineer. The detour shall not be removed until directed by the Engineer. All holes left from the removal of supports shall be backfilled with suitable material approved by the Engineer.

This work will be paid for at the contract LUMP SUM price for DETOUR SIGNING and includes all work, labor, materials, signs, traffic control devices, and maintenance of the detour as directed by the Engineer.

FENCE REMOVAL

This work shall be performed in accordance with Section 201 of the Standard Specifications. If an existing fence is determined to be in conflict with the proposed improvements, the contractor shall notify the appropriate resident(s) by certified mail at least seven (7) calendar days in advance in order to allow the resident to relocate and salvage the fence at his own cost. Should the resident decide to not salvage the fence, the contractor will be responsible for removing the portions that conflict with the proposed improvements. This item will include all necessary labor and materials to remove and dispose of the fence. This work shall be paid for at the contract unit price per foot for FENCE REMOVAL.

PRESSURE CONNECTION

This work shall be accomplished at locations shown on the plans. This work shall consist of the excavation, installation of a tapping sleeve and related appurtenances, and the tapping of the existing water main. The installation of a valve and vault in conjunction with the pressure connection is not included and shall be paid for separately at the contract prices described elsewhere within these Specifications.

This work will be paid for at the contract unit prices per each for PRESSURE CONNECTION, of the size specified.

STORM SEWER (WATER MAIN REQUIREMENTS)

(Effective July 1, 1990; Revised January 1, 2009)

This work shall consist of constructing storm sewers meeting water main requirements.

Storm Sewer (Water Main Requirements) shall be used at locations where lateral separation between the sewer and water main or water service line is less than 10 feet

and the water main invert is less than 18 inches above the storm sewer crown. Also, Storm Sewer (Water Main Requirements) shall be used where the sewer crosses above the water main or water service line with 18 inches minimum vertical separation.

The storm sewer shall be constructed of

Ductile iron pipe, Class 52 with bell and rubber gasket joint or

Concrete pressure pipe conforming to the latest AWWA Standard C300, C301, C303 or

Plastic pipe meeting the material requirements of Section 40. Pipe for Water Mains and Service Connections of the Standard Specifications for Water and Sewer Main Construction in Illinois and Section 550 of the Standard Specifications.

This work shall be done according to the applicable portions of Sections 550 and 561 of the Standard Specifications.

Method of Measurement. This work will be measured for payment according to Article 550.09 of the Standard Specifications.

Basis of Payment. This work will be paid for at the contract unit price per foot (meter) for STORM SEWER (WATER MAIN REQUIREMENTS), of the diameter specified.

SANITARY SEWERS 8"

This work shall be accomplished according to United City of Yorkville Standard Specifications for Improvements latest edition and also according to the Yorkville-Bristol Sanitary Districts Standards and Specifications latest revisions.

This work shall be paid for at the contract price per foot for SANITARY SEWERS 8" of the size and type designated and shall include all equipment, labor, and materials to excavate and install the infrastructure and backfill the trench and dispose of any excess or unsuitable material.

STONE MASONRY WALL

The work covered by this section includes the furnishing of all labor, materials, equipment, and incidentals for the design, inspection and construction of a modular concrete retaining wall as shown on the Construction Drawings and as described by the Contract. The work included in this section of, but is not limited, to the following:

a. Excavation and foundation soil preparation.

b. Furnishing and placement of the leveling base.

c. Furnishing and placement of segmental retaining wall.

d. Furnishing and compaction of retained soils.

DELIVERY, MATERIAL HANDLING AND STORAGE

The Contractor shall check all materials delivered to the site to ensure that the correct materials have been received and are in good condition.

The Contractor shall store and handle all materials in accordance with manufacturer's recommendations contaminants, breaking, chipping, or other causes.

The following tolerances are the maximum allowable deviation from the planned construction.

a. Vertical Control: +/-1.25 inches over a ten (10) feet distance, +/- three (3) inches total

b. Horizontal Control: +/-1.25 inches over a ten (10) feet distance, +/- three (3) inches total.

c. Rotation: +/- two (2) degrees from planned wall batter

d. Bulging: 1.0 inch over a ten (10) feet distance.

The foundation soil shall be excavated for filled as required to the grades and dimensions shown on the Construction Drawings or as directed by the Engineer.

In cut situations, the native soil shall be excavated to the lines and grades shown on the Construction Drawings and removed from the site or stockpiled for reuse as retained soil.

The leveling base material shall be crushed stone compacted to ninety-eight (98) percent Standard Proctor Density, or vibrated concrete along the grades and dimensions shown on the Construction Drawings or as directed by the Engineer. The minimum thickness of the leveling base shall be six (6) inches.

INSTALLATION OF MODULAR CONCRETE RETAINING WALL UNITS

a. The bottom row of retaining wall modules shall be placed on the prepared leveling base as shown on the Construction Drawings. Care shall be taken to ensure that the wall modules are aligned property, leveled from side to side and front to back and are in complete contact with the base material.

b. The wall modules above the bottom course shall be placed such that the tongue and grove arrangement provides the design batter (i.e. setback) of the wall face. Successive courses shall be placed to create a running bond pattern with the edge of al units being approximately aligned with the middle of the unit in the course below it.

c. The wall modules shall be swept clean before placing additional levels to ensure that no dirt, concrete, or other foreign materials become lodged between successive lifts of the wall modules.

d. A maximum of eight (8) courses of wall units can be placed above the level of the drainage material at any time.

e. The Contractor shall check the level of wall modules with each lift to ensure that no gaps are formed between successive lifts.

f. Care shall be taken to make sure that the wall units are not broken or damaged during handling and placement.

RETAINED SOIL

Retained soils shall be placed and compacted behind the drainage material in maximum lift thickness of six (6) inches.

No heavy compaction equipment shall be allowed within three (3) feet of the back of the wall modules.

Basis of Payment. Payment for the stone masonry wall will be based on the contract price per foot of horizontal wall length for STONE MASONRY WALL as shown on the construction drawings to a maximum height of five (5) feet. The contract unit price shall include the cost of all labor, materials, and equipment used to install the leveling base or spread footing, wall modules, retained soil, and site cleanup.

UNDERGROUND CONDUIT

(Effective April 1, 2003; Revised January 1, 2012)

Add the following requirements to Section 810 of the Standard Specifications:

Materials: Conduit placed under pavement, stabilized shoulder, paved median, paved driveway, curb, gutter, curb and gutter, or sidewalk shall meet the requirements of Article 810.02(a) or Article 810.02(b). In addition, rigid nonmetallic conduit shall be Schedule 80.

Construction Requirements: The tunnel created by the auger shall not be significantly larger than the conduit to prevent undue settling. No tunnel shall be left for more than two hours without conduit filling it.

INDUCTIVE LOOP DETECTOR

(Effective January 1, 2002; Revised January 1, 2012)

Inductive loop detectors shall meet the requirements of Sections 885 and 1079 of the Standard Specifications with the following modifications:

Each inductive loop detector amplifier shall be rack mounted. Each inductive loop detector amplifier channel shall have a minimum of :

- 8 sensitivity settings
- LCD program menu
- Detector logs and displays number of loop failure incidents since last reset
- Internal function to determine the ideal sensitivity setting for every loop system
- 8 frequency settings
- 32 second call extend timer
- 32 second delay timer
- Call extend and delay timers able to operate cooperatively
- LED indication for detection

The detector supplied shall be the latest Reno model or equivalent.

The Contractor shall label each amplifier for the loop and movement where they provide input according to the chart in the plans.

Basis of Payment. This item will be paid for according to Article 885.04 of the Standard Specifications.

MODIFY EXISTING CONTROLLER AND CABINET

This work shall consist of modifying an existing controller to change the existing sequence of operation to the proposed sequence of operation. This work shall also consist of modifying an existing controller cabinet to accommodate the addition of new traffic signal equipment required by the project.

The Contractor shall make all connections for proper operation of the intersection to the satisfaction of the Engineer.

Basis of Payment
This work will be paid for at the contract unit price per each for MODIFY EXISTING CONTROLLER AND CABINET.

LOOP DETECTOR TESTING

(Effective December 1, 1999; Revised January 1, 2007)

The Contractor is advised of the presence of existing detector loops which shall be retained in the completed signal installation. The condition of each existing loop detector which will be retained shall be documented.

The required loop detector testing shall consist of measuring the following electrical characteristics of each loop within the intersection to determine if the loop meets the indicated criteria:

1. Loop Inductance. Stable frequency (frequency varies by less than +/-3 hertz) and minimum 50 microhenries when driven by amplifier.

For any loop that does not show a stable frequency, the Contractor shall determine if the unstable frequency is due to equipment malfunctions in the cabinet or outside the cabinet. The Contractor shall notify the Engineer of the source of the unstable frequency. Any problem due to existing equipment problems in the cabinet shall be repaired by city maintenance. Any problem caused by the required construction work shall be repaired and paid for separately on this contract.

Any loop that does not exceed 50 microhenries inductance shall be replaced.

2. Loop Resistance to Ground. Minimum 50 megohms.

   For any loop circuit with less than 50 megohms resistance to ground or any loop that is being replaced, the Contractor shall break the loop to lead-in splice and measure the resistance to ground of the detector loop alone and each leg of the detector loop lead-in cable. If a single leg of the lead-in cable has a low resistance to ground, the Contractor shall replace the lead-in cable. If the detector loop, separated from the lead-in cable, passes the required tests, the loop shall not be replaced.

3. Loop Circuit Resistance. Maximum 3 ohms for lead-in less than 200 feet. Maximum 5 ohms for lead-in greater than 200 feet.

   For any loop circuit with resistance greater than stated above, the splice shall be opened and the loop and each leg of the lead-in cable shall be tested. If the detector loop cable is the cause of the high resistance reading, the detector loop shall be replaced. If the lead-in cable is the cause of the high resistance reading, the lead-in cable shall be replaced.

   The Contractor shall furnish a Decatur Electronics Loop Tester, Model DLT-150, or superior, to measure the loop resistance above ground, and quality factor of each loop. This unit shall remain the property of the Contractor.

The measurements shall be recorded for each loop circuit, including lead-in cable, following completion of the work, in the presence of the Engineer. The measurements shall be taken at the controller cabinet.

Any damaged detector loop or lead-in cable shall be replaced.

If an existing detector loop is damaged due to construction operations, the Contractor shall notify the Department at 815-434-8505 to modify the signal program until the detector loop can be replaced. The Contractor shall replace the loop as soon as possible.

Loop detector testing will be performed at each loop detector circuit following completion of work likely to damage the existing loops. The lead-in cable must be disconnected from the detector loop panel in the cabinet to prevent damage to the inductive loop detector. When the Contractor has made all necessary repairs, the Department's Traffic

Signal Section shall be contacted to meet with the Contractor at the intersection to confirm the satisfactory readings.

Method of Measurement. This work will be measured for payment per intersection, regardless of the number of tests required. Any work required to replace any splices broken for testing of the lead-in cable and detector loop shall be included in the cost of this pay item.

Basis Of Payment. This work will be paid for at the contract unit price per each intersection as LOOP DETECTOR TESTING.

RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM

(Effective April 1, 2003; Revised January 1, 2007)

This work shall consist of providing a revised Signal Coordination and Timing (SCAT) Report and implementing optimized timings to an existing previously optimized closed loop traffic signal system. This work is required due to the addition of a signalized intersection to an existing system or a modification of an existing signalized intersection, which affects the quality of an existing system's operation. MAINTENANCE OF THE SUBJECT INTERSECTION SHALL NOT BE ACCEPTED BY THE DEPARTMENT UNTIL THE RE-OPTIMIZED TIMINGS ARE IMPLEMENTED ANDTHE SIGNALS ARE FUNCTIONING TO THE SATISFACTION OF THE ENGINEER.

After the new signalized intersection is added or the existing signal is modified, the traffic signal system shall be re-optimized by an approved Consultant who has previous experience in optimizing Closed Loop Traffic Signal Systems for District 3 of the Illinois Department of Transportation. The Contractor shall contact the Area Traffic Signal Operations Engineer at 815-434-8505 for a listing of approved Consultants.

A listing of existing signal equipment, interconnect information and existing phasing/timing patterns may be obtained from the Department if available and as appropriate. The existing SCAT Report is available for review at the District Three office (if one exists) and if the Consultant provides blank rewritable compact disks, copies containing software runs for the existing optimized system and a timing database that includes intersection displays will be made for the Consultant. The Consultant shall consult with the Area Traffic Signal Operations Engineer prior to optimizing the system to determine if any extraordinary conditions exist that would affect traffic flows in the vicinity of the system; in which case, the Consultant may be instructed to wait until the conditions return to normal or to follow specific instructions regarding the re-optimization.

Traffic counts shall be taken at the subject intersection. Seven day/twenty-four hour automatic traffic recorder counts will be required and manual turning movement counts shall be conducted from 6:30 a.m. to 9:30 a.m., 11:00 a.m. to 1:00 p.m., and 3:30 p.m. to 6:30 p.m. on a typical weekday from midday Monday to midday Friday, and if necessary, on the weekend. Additional manual turning movement counts may be necessary if heavy traffic flows exist during off peak hours. The turning movement counts shall identify cars, heavy vehicles, buses, and pedestrian movements.

A Capacity Analysis shall be conducted at the subject intersection to determine its level of service and degree of saturation. Appropriate signal timings shall be developed for the subject intersection and existing timings shall be utilized for the rest of the intersections in the system with minor adjustments if necessary. Changes to the cycle lengths and offsets for the entire system may be required due to the addition/modification of the subject intersection. Both volume and occupancy shall be considered when developing the re-optimized timing program. Signal system optimization analyses shall be conducted utilizing PASSER II, TRANSYT 7F, SIGNAL 85, SYNCHRO 6.0 or other appropriate approved computer software.

If the system is being re-optimized due to the addition of a signalized intersection, all the intersections shall be re-addressed according to the current standard of District Three. The proposed signal timing plan shall be forwarded to IDOT for review and approval seven days prior to the traffic signal turn on at the intersection. The timing plan shall be implemented at least two working days prior to the turn on of the traffic signal. The timing plan shall include a traffic responsive program and a time-of-day program, which may be used as a back-up system. After downloading the system timings, the Consultant shall make fine turning adjustments to the timing in the field to alleviate observed operating conditions and to enhance operations. The timing plans shall be re-evaluated after the signal has been turned on and traffic has had an opportunity to adjust to the new signal. Any necessary timing changes shall be made at that time with the approval of the Area Signal Engineer.

The Consultant shall furnish to IDOT an original and two copies of the revised SCAT Report for the re-optimized system. The report shall contain the following: turning movement and automatic traffic recorder counts, capacity analyses for each count period, computer optimization analyses for each count period, proposed implementation plans and summaries including system description, analysis methodology, method of effectiveness comparison results and special recommendations and/or observations. The new report shall follow the format of the old report and shall incorporate all data from the old report which remains unchanged. Copies of the entire database including intersection displays and any other displays which the system software allows shall be furnished to the Department and to the Department's Traffic Signal Maintenance Contractor.

Basis of Payment: This work will be paid for at the contract unit price per lump sum for RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM.

HIGHWAY SOIL SURVEY

GAME FARM ROAD/SOMONAUK STREET RECONSTRUCTION

YORKVILLE, ILLINOIS

Conducted for

SMITH ENGINEERING CONSULTANTS, INC.

MCHENRY, ILLINOIS

By

CHICAGO TESTING LABORATORY, INC.

MCHENRY, ILLINOIS

INTRODUCTION

General

This report presents the results of the highway soil survey conducted for the proposed improvements of Game Farm Road/Somonauk Street in Yorkville, Illinois between US Route 34 to Illinois Route 47, an approximate length of 5000 feet.

Authorization to perform this investigation was in the form of a written proposal dated February 17, 2004 between Smith Engineering Consultants, Inc. and the former Schleede-Hampton Associates, Inc., which is the current Chicago Testing Laboratory, Inc.

Purpose

The purpose of this exploration was to determine the types of soil which compose the subgrade for the proposed road reconstruction and to determine the presence of problem subgrade materials that will require special treatments. Using this information along with the project data provided, design criteria and recommendations for earthwork, subgrade treatment and pavement design parameters have been prepared for use by the design engineers in preparing the preliminary design plans. This report does not address environmental issues at the project site.

Scope

The scope of this exploration and analysis included the subsurface exploration, field and laboratory testing, analysis of the data obtained, formulation of our recommendations and preparation of this report. The field exploration included nineteen (19) soil profile borings and eleven (11) pavement cores for the highway soil survey.

Reference Documents

This soils exploration and survey was performed in accordance with the latest specifications and procedures of the Illinois Department of Transportation "Geotechnical Manual, January 1999".

General

This report was prepared on the basis of the project information supplied by the client and is only intended for use on that project. Changes in the traffic, grades, or alignment of the project should be submitted for our review since changes of this kind may cause changes in our recommendations.

The report was prepared by interpreting the data from the test borings and field tests made along the proposed improvement and from the results of the laboratory tests on the subsoil samples taken from there. The report gives a representative, but not exhaustive picture of the project subsoil make-up.

The soil engineer warrants findings, recommendations, specifications, and professional advice to have been promulgated with generally accepted

professional engineering practice in the fields of foundation engineering, soil mechanics, and engineering geology.

PROJECT LOCATION AND DESCRIPTION

Project Location

The project consists of roadway improvements to Game Farm Road/Somonauk Street in Yorkville, Illinois, Section 28 and 29, Township 14 South, Ranges 42 and 43 West, reference the Project Vicinity Map, Figure 1.

Project Geology

The surficial geology common to the site consists primarily of the Batavia member of the Henry Formation. The Henry formation is part of the Woodfordian-Valderan Substages of the Wisconsin Period Glaciation.

The Batavia member consists of Sands and Gravel deposits in outwash plains, most of them along the front of the moraines. Those deposits close to the moraines have the poor sorting of the ice-contact deposits, but they do not have the disturbed bedding or the till content. The deposits of the Batavia Member are generally cross-bedded and become noticeably finer grained away from the moraine.

Pedilogical Survey Review

The Pedilogical data as reported by the U.S. Department of Agriculture for Kendall County, Illinois 1978 has been reviewed. The information gathered within the soil survey text indicated the following soil types present within the proposed project area. Reference the USDA Soil Survey Map, Figure 2 and Soil Legend Figure 2a.

318	Lorenzo LOAM
327	Fox Silt LOAM
325	Dresden Silt LOAM
152	Drummer Silty Clay LOAM

Climatological Data

The field work for this soil survey was accomplished during early December, 2005. The table below lists the actual precipitation as measured at O'Hare International Airport by NOAA for the six months prior to our field work.

Month	Actual Precipitation	Departure From Normal
June, 2005	0.76 in.	-2.91 in.
July, 2005	1.95 in.	-1.56 in.
August, 2005	2.47 in.	-2.15 in.
September, 2005	2.66 in.	-0.61 in.
October, 2005	1.30 in.	-1.41 in.
November, 2005	2.16 in.	-0.84 in.

The rainfall data indicates a departure from normal of -9.48 in. for the six month period proceeding the month of December when this soil survey was

conducted. It would be expected that the ground water levels encountered would be at very low levels as a result of the lack of precipitation.

INVESTIGATIVE PROCEDURES

General

The procedures for this exploration were conducted in accordance with the appropriate Illinois Department of Transportation standards. The borings were supervised at all times by a field engineer from the office of Chicago Testing Laboratory, Inc. The soil specimens obtained were transported to our laboratory for testing and analysis. All phases of this investigation have been directed by our project engineer.

FIELD EXPLORATION

Scope of Boring and Pavement Core Locations

The field exploration consisted of performing nineteen (19) profile borings, reference attached "Boring and Core Location Diagram". The profile borings were spaced at approximately 250 to 300 foot intervals along the roadway alignment. The borings on Game Farm Road were generally located west of the existing edge of pavement in the roadway shoulder of the proposed widening area and south of the existing edge of pavement on Somonauk Street. However, boring B-7 was made through the existing pavement.

A total of eleven (11) pavement cores were made to determine pavement section components. For the US Route 34 pavement, two (2) pavement cores were made, approximately 150 feet and 500 feet west of Game Farm Road. Along Games Farm Road/Somonauk Street, seven (7) pavement cores were spaced at approximate 500 to 1000 foot intervals. At the east end of the project, two (2) pavement cores were made on Illinois Route 47, 213 feet north and 236 feet south of the centerline of Somonauk Street.

Soil Drilling and Sampling Procedures

The soil borings were drilled using a drill rig equipped with a rotary head. Continuous flight augers were used to advance the holes. Representative samples were obtained by the use of split-spoon sampling procedures in accordance with A.S.T.M. Procedure D-1586.

Field Tests and Measurements

Standard Penetration Tests - During the split-spoon sampling procedures, a standard penetration test was performed in accordance with current A.S.T.M. D-1586 Procedures. At sampling intervals, the sampler was lowered into the hole and seated in undisturbed soil by pushing or tapping, taking suitable precautions that the rods were reasonably tight. The sampling spoon was then advanced by driving using a drop hammer. During the sampling procedure, the standard penetration value (N) of the soil was determined. The standard penetration value (N) is defined as the number of blows of a one hundred-forty pound (140 lb.) hammer required to advance the spoon sampler one foot (12") into the soil.

The results of the standard penetration tests indicate the relative density and comparative consistency of the soils, and thereby provide a basis for estimating the relative strength and compressibility of the soil profile components. The results of standard penetration tests can be found on the soil profile drawings included in the attached documents.

Strength Tests - During the field boring operations, samples of the predominantly cohesive soil from the split-spoon sampling device were tested using a calibrated soil penetrometer to aid in determining the strength of the soil. Consideration must be given to the manner in which the values of the unconfined compressive strengths were obtained. Split-spoon sampling techniques provide a representative, but somewhat disturbed, soil sample.

Sampling Procedures - Pavement Cores

The pavement cores were made with an electric core drill with a four (4) inch diameter diamond tipped core barrel. The granular base and sub-base materials were sampled using a hand auger.

Water Level Measurements

Ground water measurements were made during the boring operations at all boring locations. All ground water information can be found on the soil profile drawings located in the Appendix.

Laboratory Testing and Soil Classification

A supplemental laboratory investigation was conducted. At the laboratory, all samples were again visually classified to verify the field classifications. Representative samples of the various soil strata encountered were also subjected to Atterberg Limit Tests and Grain Size Analysis.

The moisture density relationship and Illinois Bearing Ratio (IBR) were performed in accordance with the IDOT method. It was performed on a bulk sample representing weaker and predominate subgrade soil type encountered along the alignment. The IBR value was determined to be 4.4.

All testing was done in accordance with the latest applicable AASHTO or ASTM procedures as modified by the requirements of the Illinois Department of Transportation.

All results of the laboratory testing are found on the Soil Profile Drawings, Pavement Core Measurements and Conditions, and the tabulated summaries of Soil Test Data (Form 508A) in the Appendix.

The soils encountered in the borings have been classified using both the IDOT Textural Classification System, and the AASHTO Engineering Soil Classification System (AASHTO, M-145).

DISCUSSION AND RECOMMENDATIONS

Project Description

The proposed project consists of the reconstruction and widening of Game Farm Road/Somonauk Street from US Route 34 to approximately 500 feet east of Illinois Route 47. The majority of the widening will occur to the west and south of the existing pavement with the exception of a section between Station 547+00 and Station 550+00 that will be widened to the east of the existing pavement. Also, approximately 500 lineal feet of Somonauk Street, which takes traffic to the southwest from the intersection of Game Farm Road and Somonauk Street is scheduled to be realigned. The new roadway will extend to 35 feet edge to edge to accommodate one 11-foot wide traffic lane in each direction and a 13-foot wide center median/turn lane. Two additional 12-foot turn lanes are planned between Station 526+00 and Station 521+75 and Station 508+00 and Station 510+00, making the total road width in these areas 47 feet from edge to edge.

Improvements are expected to include new pavements, new curb and gutter, new storm sewer, and resurfacing on two legs of US Route 34 and on three legs of Illinois Route 47. The new curb and gutter is proposed at the pavement edge in most areas and for the center medians.

Existing Pavement Materials

US Route 34, West of Game Farm Road, Cores C-1 and C-2

One core was made on each side of Blackberry Creek, on US Route 34, to determine the existing pavement conditions and thicknesses. The existing pavement at this area of US Route 34 was found to be relatively uniform consisting of 13-3/4 to 14 inches of Class I Bituminous Surface and Binder Course over 9 to 15-1/4 inches of GRANULAR base course consisting of brown SAND and GRAVEL. Underlying the granular base in C-2 is 7 inches of grey Silty CLAY LOAM FILL followed by an additional layer of brown SAND and GRAVEL. The coring at C-1 was completed 29 inches below the ground surface due to hand auger refusal, possibly from encountering pcc.

Game Farm Rd./Somonauk, US Route 34 to IL Route 47, Cores C-3 through C-9

Seven (7) pavement cores were generally placed roughly 500 feet apart from each other along Game Farm/Somonauk Street with the first core, C-3, located at Sta. 546+90. The existing pavement along this stretch of road, with the exception of C-3, generally consists of 3-1/4 to 5 inches of Class I Bituminous Surface and Binder Course overlying 2-1/2 to 12-1/4 inches of GRANULAR base course consisting primarily of brown SAND and GRAVEL and crushed GRAVEL. Core C-3 consists of 10-1/4 inches of Class I Bituminous Surface and Binder Course overlying 1-3/4 inches of crushed GRAVEL base course. Underlying the base course on all borings is predominantly Silty Clay LOAM or Clay LOAM FILL with moisture contents of 9 to 25 percent, overlying Brown GRANULAR materials with moistures of 4 to 9 percent.

IL Route 47 at Somonauk Street, Cores C-10 and C-11

At this intersection, two (2) cores were made, one to the north and one to the south of the intersection, to determine the existing pavement conditions and thicknesses. The existing pavement at this area of IL Route 47 was also found

to be relatively uniform consisting of 9-1/2 to 9-3/4 inches of Class I Bituminous Surface and Binder Course over 7 to 7-1/4 inches of PCC base course. Underlying the PCC base course is Dark Olive/Dark Grey/Black Clay LOAMs and Silty CLAYs with relatively high moisture contents of 24 to 33 percent, 10 to 20 percent higher than optimum moisture, that extend to a depth of 48 inches where coring operations were completed.

General Subsurface Conditions

Station 530+00 to Station 497+62 and 547+97 to Station 545+03
The general soil profiles encountered in these sections consist of varying thicknesses of pavement materials or TOPSOIL/LOAM, A-6 FILL, over Clay LOAM, A-6 and Silty CLAY A-7-6 in some locations, and then into brown SAND , A-2 to boring completion. The Clay LOAMs and Silty CLAYs encountered have average moistures of 14 to 27 percent and unconfined compressive strengths of 0.5 to 1.94 tsf.

The exceptions to the general soil profile stated above occur at borings B-10, B-14, and B-15, where brown SAND was not encountered below the Clay LOAM, A-6, Silty CLAY, A-7-6, and Silty Clay LOAM FILL. The FILL however, did encounter pockets of loose, dampened SAND near 2.5 to 4 feet below the ground surface.

See "Roadway Subgrade Conditions" below for detailed information on subgrade conditions and ground water conditions in this area.

Station 541+65 to Station 532+79
The general subsurface profile along this section of the alignment consists of varying thicknesses of pavement materials or TOPSOIL/LOAM, A-6 FILL, over Silty CLAY and Clay LOAM, A-6, with averages moistures of 12 to 32 percent and average unconfined compressive strengths, Qu's of 0.78 to 3.64 tsf. The unconfined compressive strength generally increases with depth as the moisture decreases.

See "Roadway Subgrade Conditions" below for detailed information on subgrade conditions and ground water conditions in this area.

Roadway Subgrade Conditions

The subsurface soils encountered at the core locations were primarily Silty Clay LOAMs and Silty CLAY, A-6, FILLs over Brown SANDs, A-2, and SAND and GRAVELs, A-1. The Silty Clay LOAM and Silty CLAY FILL has average moisture contents of 9 to 29 percent and average Qp's of 1.25 to 3.5 tsf. The GRANULAR materials encountered have moisture contents of 4 to 16 percent.

Subgrade Support Rating

The major subgrade soils tested at the laboratory have been plotted on the Subgrade Support Rating Chart for Mechanistic Pavement Design, and can generally be described as 'FAIR' to 'POOR'. Reference the appended chart. (Figure 3)

Water Level Observations

Ground water measurements were made during and immediately after the drilling operations. The observations are presented on the Soil Profile Drawings and Boring Logs, which can be found in the Appendix.

Frost Susceptibility of Subgrade Soils

The susceptibility of the subgrade soils to excessive frost action has been reviewed. Some of the soils encountered have a relatively high content of Silt and fine Sand, however, because of the relatively high plasticity and low groundwater levels in these areas, the soils are not expected to have frost related problems.

General Earthwork and Roadway Subgrade Preparation

All earthwork excavation, embankment and subgrade preparation should be conducted in accordance with the requirements of Section 300 of the current IDOT "Standard Specifications for Road and Bridge Construction".

Remedial Treatment Areas

All undercuts must be verified by cone penetrometer tests on the subgrade during construction in accordance with the guidelines in the Illinois Department of Transportation "Subgrade Stability Manual". Areas that were identified by the borings as needing additional treatment are summarized on the tabulation below. If a Mechanistic pavement design, which includes twelve (12) inches of mandatory subgrade improvement, is utilized, the remedial treatment depth given in the table can be reduced by 12 inches.

Summary of Special Earthwork Remedial Treatment Areas

Location	Replacement Indicated By	Depth[1]	Treatment Width	Material or Treatment
	Boring B-2			
Sta. 547+75 to Sta. 542+75	Dark Grey Silty CLAY, A-7-6, Mc=30%, Qu=0.84tsf, over Brown Silty CLAY, A-7-6, Mc=27%, Qu=0.78tsf	16"	New Pavement Area	Note 2
	Boring B-4			
Sta. 539+25 to Sta. 537+50	Dark Brown Clay LOAM, A-6, Mc=23%, Qu=1.24tsf	12"	New Pavement Area	Note 2, 3
	Boring B-5			
Sta. 537+50 to Sta. 534+25	Brown Silty Clay, A-6, Mc=25%, Qp=1.5tsf	10"	New Pavement Area	Note 2, 3
	Boring B-6			
Sta. 534+25 to Sta. 531+25	Dark Brown to Black Silty CLAY, A-6, Mc=28%, Qu=1.09tsf	14"	New Pavement Area	Note 2
	Boring B-7			
Sta. 531+25 to Sta. 528+00	Dark Brown Clay LOAM, A-6, Mc=22%, Qp=1.5tsf over Loose, Dark Brown to Brown SAND, A-2, Mc=6%	12"	New Pavement Area	Note 2,3
	Boring B-8			
Sta. 528+00 to Sta. 525+25	Dark Brown Clay LOAM, A-6, Mc=23%, Qu=1.24tsf	12"	New Pavement Area	Note 2,3
	Boring B-9			
Sta. 525+25 to Sta. 522+50	Brown to Red-Brown Silty CLAY, A-7-6 Mc=27%, Qu=1.16tsf to 0.81tsf	14"	New Pavement Area	Note 2
	Boring B-10			
Sta. 522+50 to Sta. 519+00	Dark Brown Clay LOAM, A-6, Mc=25%, Qu=1.24tsf	12"	New Pavement Area	Note 2

	Boring B-14			
Sta. 512+70 to Sta. 511+85	Soil between these stations is likely different than the trench FILL encountered in B-14 and should be verified in the Field			
	Boring B-15			
Sta. 511+85 to Sta. 507+50	Dark Brown Clay LOAM, A-6, Mc=29%, Qu=0.64tsf over Yellow-Brown and Grey Silty CLAY, A-6, Mc=27%, Qu=0.81	16"	New Pavement Area	Note 2
	Boring B-16			
Sta. 507+50 to Sta. 504+75	Black Clay LOAM, A-6 Mc=23%, Qp=1.0tsf, over Dark Brown Clay LOAM, A-6, Mc=22%, Qu= 1.33tsf	12"	New Pavement Area	Note 2
	Boring B-17			
Sta. 504+75 to Sta. 502+50	Dark Grey Silty Clay LOAM and SAND mixed, A-7-6, A-2, FILL, Mc=21%, Qu=1.67tsf	10"	New Pavement Area	Note 2, 3
	Boring B-18			
Sta. 502+50 to Sta. 499+50	Brown Silty CLAY, A-6, Mc=24%, Qu=1.83tsf	10"	New Pavement Area	Note 2, 3

Note 1

Undercut depth refers to the depth below the Proposed Design Subgrade Elevation, assuming a design pavement thickness of fifteen (15) inches. The undercut depths listed were developed using the IDOT remedial treatment graph that is attached as Figure 4. If a Mechanistic pavement design, which includes twelve (12) inches of mandatory subgrade improvement, is utilized, the remedial treatment depth given in the table can be reduced by 12 inches.

Note 2

PGES- (Porous Granular Embankment Special), A transverse of short (25'), longitudinal pipe under-drain should be placed at the low point of each undercut replaced with PGES in order to drain the PGES and maintain stability. The under-drains should be placed at a depth of 48 inches below the top of proposed pavement or as deep as possible and practical. FA-1 or FA-2 backfill should be used. Project grades should be checked for proper outlet to either a ditch-line or storm sewer. The current accepted design of these under-drains, as suggested in IDOT, should be provided for in these areas.

Note 3
Prepare subgrade by discing, drying and recompacting per Section 301 of the Standard Specifications.

Note 4
Fabric - Geotextile Ground Stabilization Fabric conforming to Section 1080.02 of IDOT's Standard Specification for Road and Bridge Construction

APPENDIX

PROJECT VICINITY MAP (FIGURE 1)

USDA SOIL MAP (FIGURE 2) AND LEGEND (FIGURE 2A)

PROFILE DRAWINGS

PAVEMENT CORE MEASUREMENTS AND CONDITIONS
C-1 THROUGH C-11

SOIL TEST DATA BD-508A

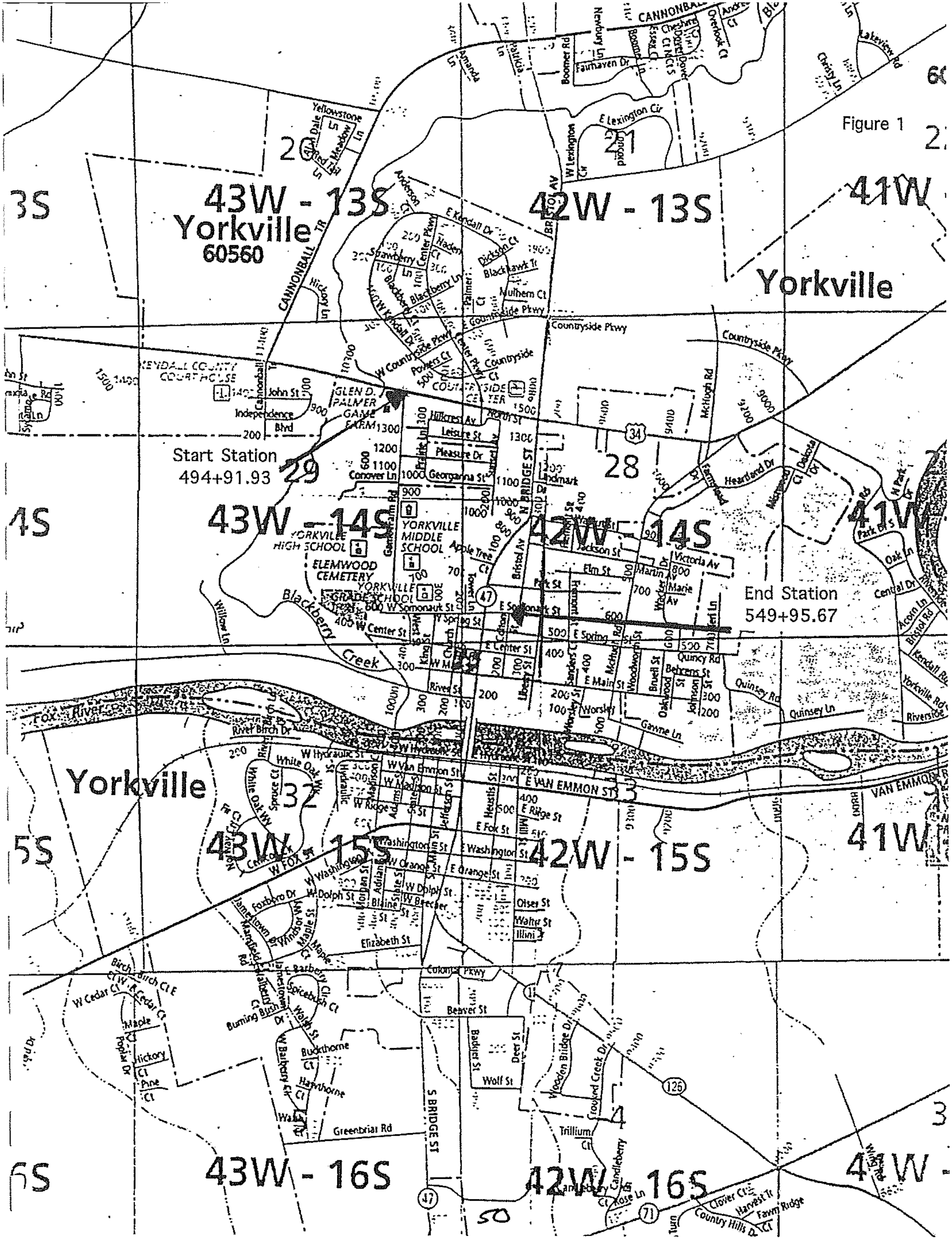
SUMMARY REPORT ON PAVEMENT, BASE, AND
SUB-BASE DESIGN

SUBGRADE SUPPORT RATING CHART (FIGURE 3)

MOISTURE DENSITY RELATIONSHIPS

IBR TEST DATA

IDOT REMEDIAL TREATMENT GRAPH (FIGURE 4)


Start Station
494+91.93
End Station
549+95.67
Yorkville
60560
Yorkville
Yorkville
43W - 13S
42W - 13S
41W
43W - 14S
42W - 14S
41W
43W - 15S
42W - 15S
41W
43W - 16S
42W - 16S
41W
KENDALL COUNTY COURT HOUSE
GLEN D. PALMER GAME FARM
YORKVILLE HIGH SCHOOL
YORKVILLE MIDDLE SCHOOL
ELEMWOOD CEMETERY
YORKVILLE GRADE SCHOOL
COUNTRYSIDE CENTER
Fox River
Blackberry Creek
CANNONBALL TR
N BRIDGE ST
S BRIDGE ST
Countryside Pkwy
E VAN EMMON ST
W FOX ST
John St
Hillcrest Av
E Kendall Dr
E Lexington Cir
Greenbriar Rd
Beaver St
Wolf St
Elizabeth St
Colonial Pkwy
20
21
28
29
32
47
126
71
Figure 1

50

51

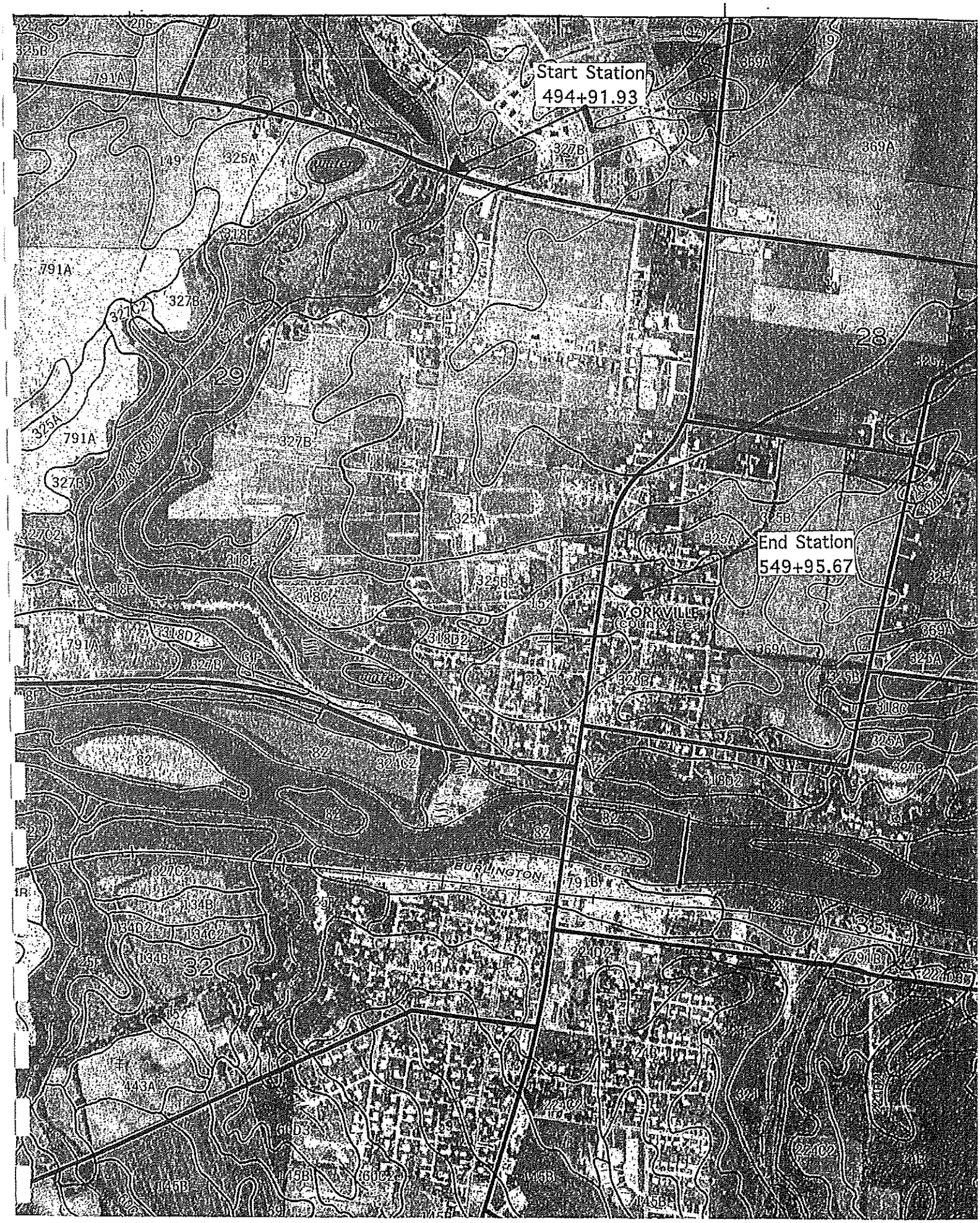

Start Station
494+91.93
End Station
549+95.67
YORKVILLE
(county seat)
BURLINGTON

Figure 2A

SOIL LEGEND

Each soil symbol consists of a combination of two or three numerals representing a series. A capital letter representing the class of slope and a number indicating whether the soil is eroded or severely eroded may also be present. The letter R may precede the soil number to indicate bedrock substratum. Two capital letters indicate a miscellaneous land type.

SYMBOL	NAME
443A	Barrington silt loam, 0 to 2 percent slopes
443B	Barrington silt loam, 2 to 4 percent slopes
443C2	Barrington silt loam, 4 to 7 percent slopes, eroded
105A	Batavia silt loam, 0 to 2 percent slopes
105B	Batavia silt loam, 2 to 4 percent slopes
149	Brenton silt loam
R149	Brenton silt loam, bedrock substratum
235	Bryce silty clay
134B	Camden silt loam, 1 to 4 percent slopes
134C2	Camden silt loam, 4 to 7 percent slopes, eroded
134D2	Camden silt loam, 7 to 12 percent slopes, eroded
C.F.	Cut and fill land
192	Del Rey silt loam
21A	Dodge silt loam, 0 to 2 percent slopes
21B	Dodge silt loam, 2 to 4 percent slopes
21C2	Dodge silt loam, 4 to 7 percent slopes, eroded
325A	Dresden silt loam, 0 to 2 percent slopes
325B	Dresden silt loam, 2 to 4 percent slopes
152	Drummer silty clay loam
321	DuPage loam
198	Elburn silt loam
327B	Fox silt loam, 1 to 4 percent slopes
327C2	Fox silt loam, 4 to 7 percent slopes, eroded
G.P.	Gravel pits
67	Harpster silty clay loam
25F	Hennepin silt loam, 15 to 30 percent slopes
25G	Hennepin silt loam, 30 to 45 percent slopes
103	Houghton muck
242	Kendall silt loam
191	Knight silt loam
304	Landes fine sandy loam
60B2	La Rose silt loam, 2 to 4 percent slopes, eroded
60C2	La Rose silt loam, 4 to 7 percent slopes, eroded
60C3	La Rose soils, 4 to 7 percent slopes, severely eroded
60D3	La Rose soils, 7 to 12 percent slopes, severely eroded
210	Lena muck
59	Lisbon silt loam
318C	Lorenzo loam, 4 to 7 percent slopes
318D2	Lorenzo loam, 7 to 18 percent slopes, eroded
318F	Lorenzo loam, 18 to 40 percent slopes
189A	Marlinton silt loam, 0 to 2 percent slopes
189B	Marlinton silt loam, 2 to 4 percent slopes
69	Milford silty clay loam
R69	Milford silty clay loam, bedrock substratum
219	Millbrook silt loam
82	Millington silt loam
442	Mundelein silt loam
228A	Nappanee silt loam, 0 to 2 percent slopes
228B	Nappanee silt loam, 2 to 4 percent slopes
330	Pectone silty clay loam
199A	Plano silt loam, 0 to 2 percent slopes
199B	Plano silt loam, 2 to 4 percent slopes
199C2	Plano silt loam, 4 to 7 percent slopes, eroded
240A	Plattville silt loam, 0 to 2 percent slopes
240B	Plattville silt loam, 2 to 4 percent slopes
143A	Proctor silt loam, 0 to 2 percent slopes
148B	Proctor silt loam, 2 to 4 percent slopes
148C2	Proctor silt loam, 4 to 7 percent slopes, eroded
324B	Ripon silt loam, 1 to 4 percent slopes
324C2	Ripon silt loam, 4 to 7 percent slopes, eroded
791A	Rush silt loam, 0 to 2 percent slopes
791B	Rush silt loam, 2 to 4 percent slopes
243A	St. Charles silt loam, 0 to 2 percent slopes
243B	St. Charles silt loam, 2 to 4 percent slopes
243C2	St. Charles silt loam, 4 to 7 percent slopes, eroded
107	Sawmill silty clay loam
145A	Saybrook silt loam, 0 to 2 percent slopes
145B	Saybrook silt loam, 2 to 4 percent slopes
145B2	Saybrook silt loam, 2 to 4 percent slopes, eroded
145C2	Saybrook silt loam, 4 to 7 percent slopes, eroded
86C	Sparta loamy fine sand, 3 to 10 percent slopes
224C	Strawn silt loam, 4 to 7 percent slopes
224C2	Strawn silt loam, 4 to 7 percent slopes, eroded
224D2	Strawn silt loam, 7 to 15 percent slopes, eroded
224F	Strawn silt loam, 15 to 30 percent slopes
224C3	Strawn soils, 4 to 7 percent slopes, severely eroded
224D3	Strawn soils, 7 to 12 percent slopes, severely eroded
91A	Swygert silty clay loam, 0 to 2 percent slopes
91B	Swygert silty clay loam, 2 to 4 percent slopes
91C2	Swygert silty clay loam, 3 to 7 percent slopes, eroded
206	Thorp silt loam
223B	Varna silt loam, 1 to 4 percent slopes
223C2	Varna silt loam, 4 to 7 percent slopes, eroded
223D3	Varna soils, 7 to 15 percent slopes, severely eroded
104	Virgil silt loam
369A	Waupecan silt loam, 0 to 2 percent slopes
369B	Waupecan silt loam, 2 to 4 percent slopes

PAVEMENT CORE MEASUREMENTS AND CONDITION

GAME FARM ROAD AND SOMONAUK STREET

CTL PROJECT NO. 84IL332

Core No. C-1

Location US Route 34, 8' North of Centerline, 521' West of Game Farm/Route 34 Intersection

Material	Depth(in.)	Thickness(in.)	Remarks/Condition
Bit. Surface Course	0 to 1 1/4	1 1/4	Poor condition, Class I
Bit. Surface Course	1 1/4 to 3	1 3/4	Poor condition, Class I
Bit. Surface Course	3 to 4	1	Poor condition, Class I
Bit. Binder Course	4 to 6 1/4	2 1/4	Poor condition, Class I
Bit. Binder Course	6 1/4 to 8 3/4	2 1/2	Poor condition, Class I
Bit. Binder Course	8 3/4 to 11 3/4	3	Poor condition, Class I
Bit. Binder Course	11 3/4 to 13 3/4	2	Poor condition, Class I
Granular Base	13 3/4 to 29	15 1/4	Brown SAND and GRAVEL, A-1, Mc=6%
Subgrade	29+		Hand auger refusal, possible pcc, Mc=5%

Core No. C-2

Location US Route 34, Center Median, 147' West of Game Farm/Route 34 Intersection

Material	Depth(in.)	Thickness(in.)	Remarks/Condition
Bit. Surface Course	0 to 1 1/2	1 1/2	Poor to fair condition, Class I
Bit. Surface Course	1 1/2 to 2 3/4	1 1/4	Poor to fair condition, Class I
Bit. Surface Course	2 3/4 to 4 1/4	1 1/2	Poor to fair condition, Class I
Bit. Binder Course	4 1/4 to 6 3/4	2 1/2	Poor condition, Class I
Bit. Binder Course	6 3/4 to 9 1/2	2 3/4	Poor condition, Class I
Bit. Binder Course	9 1/2 to 14	4 1/2	Poor condition, Class I
Granular Base	14 to 23	9	Brown SAND and GRAVEL, A-1
Subgrade	23 to 30	7	Dark Grey Silty Clay LOAM, A-6: FILL, Mc=14%
Subgrade	30+		Brown SAND and GRAVEL, A-2, Mc=16%

Core No. C-3

Location Game Farm Road, Station 546+90, 8' East of Centerline

Material	Depth(in.)	Thickness(in.)	Remarks/Condition
Bit. Surface Course	0 to 1 1/4	1 1/4	Poor to fair condition, Class I
Bit. Surface Course	1 1/4 to 3	1 3/4	Poor condition, Class I
Bit. Binder Course	3 to 5 3/4	2 3/4	Fair condition, Class I
Bit. Binder Course	5 3/4 to 10 1/4	4 1/2	Fair condition, Class I
Granular Base	10 1/4 to 12	1 3/4	Crushed Gravel, A-1
Subgrade	12 to 22	10	Brown Silty Clay LOAM, A-6, Qp=2.25tsf, Mc=9%
Subgrade	22+		Brown SAND (f-c), A-2, Mc=4%

PAVEMENT CORE MEASUREMENTS AND CONDITION

GAME FARM ROAD AND SOMONAUK STREET

CTL PROJECT NO. 84IL332

Core No. C-4

Location Game Farm Road, Station 536+00, 10' East of Centerline

Material	Depth(in.)	Thickness(in.)	Remarks/Condition
Bit. Surface Course	0 to 1	1	Fair condition, Class I
Bit. Surface Course	1 to 2 1/2	1 1/2	Poor condition, Class I
Bit. Surface Course	2 1/2 to 4 3/4	2 1/4	Fair condition, Class I
Granular Base	4 3/4 to 17	12 1/4	Brown Crushed Gravel, A-1, Mc=4%
Subgrade	17+		Brown Silty CLAY, A-6, Qp=2.0tsf, Mc=27%

Core No. C-5

Location Game Farm Road, Station 526+00, 8' East of Centerline

Material	Depth(in.)	Thickness(in.)	Remarks/Condition
Bit. Sand Mix	0 to 3/4	3/4	Fair condition
Bit. Surface Course	3/4 to 1 3/4	1	Poor condition, Class I
Bit. Surface Course	1 3/4 to 4 1/2	2 3/4	Fair condition, Class I
Granular Base	4 1/2 to 14	9 1/2	Brown Crushed Gravel
Subgrade	14 to 30	16	Dark Brown Silty Clay LOAM, A-6, Qp=1.25tsf, Mc=17%
Subgrade	32+		Brown Silty Clay LOAM, A-6, Mc=24%

Core No. C-6

Location Game Farm Road, Station 520+53, 8' West of Centerline

Material	Depth(in.)	Thickness(in.)	Remarks/Condition
Bit. Sand Mix	0 to 3/4	3/4	Fair condition
Bit. Surface Course	3/4 to 1 1/2	3/4	Fair condition, Class I
Bit. Surface Course	1 1/2 to 3 1/2	2	Poor condition, Class I
Bit. Binder Course	3 1/2 to 5	1 1/2	Poor condition, Class I
Granular Base	5 to 11	6	Brown Crushed Gravel
Subgrade	11 to 19	8	Grey Silty Clay LOAM, A-6: FILL, Qp=2.0tsf, Mc=16%
Subgrade	19+		Brown SAND (crushed PCC), Mc=5%

PAVEMENT CORE MEASUREMENTS AND CONDITION

GAME FARM ROAD AND SOMONAUK STREET

CTL PROJECT NO. 84IL332

Core No. C-7

Location Somonauk Street, Station 515+00, 7' East of Centerline

Material	Depth(in.)	Thickness(in.)	Remarks/Condition
Bit. Sand Mix	0 to 1/2	1/2	Fair condition
Bit. Surface Course	1/2 to 1 1/2	1	Poor condition, Class I
Bit. Surface Course	1 1/2 to 2 1/2	1	Fair condition, Class I
Bit. Binder Course	2 1/2 to 3 3/4	1 1/4	Fair condition, Class I
Granular Base	3 3/4 to 12 1/2	8 3/4	Brown SAND and GRAVEL
Subgrade	12 1/2 to 17	4 1/2	Grey Silty CLAY, A-6: FILL, Qp = 3.5tsf, Mc=20%
Subgrade	17+		Brown SAND and GRAVEL to Sandy LOAM, A-2, Mc=9%

Core No. C-8

Location Somonauk Street, Station 510+00, 6' South of Centerline

Material	Depth(in.)	Thickness(in.)	Remarks/Condition
Bit. Surface Course	0 to 1 1/4	1 1/4	Fair condition, Class I
Bit. Surface Course	1 1/4 to 2 1/4	1	Fair condition, Class I
Bit. Binder Course	2 1/4 to 3 1/4	1	Poor condition, Class I
Granular Base	3 1/4 to 5 3/4	2 1/2	Brown GRAVEL
AC	5 3/4 to 8	2 1/4	Bituminous Pavement
Subgrade	8+		Brown SAND and GRAVEL, A-1, Mc=5%

Core No. C-9

Location Somonauk Street, Station 505+00, 5' North of Centerline

Material	Depth(in.)	Thickness(in.)	Remarks/Condition
Bit. Surface Course	0 to 1 1/4	1 1/4	Fair condition, Class I
Bit. Binder Course	1 1/4 to 2 3/4	1 1/2	Poor condition, Class I
Bit. Binder Course	2 3/4 to 4	1 1/4	Poor condition, Class I
Granular Base	4 to 16	12	Crushed PCC, Mc=6%
Subgrade	16+		Brown and Yellow-Brown Clay LOAM, A-6, Qp=2.0tsf, Mc=25%

PAVEMENT CORE MEASUREMENTS AND CONDITION

GAME FARM ROAD AND SOMONAUK STREET

CTL PROJECT NO. 84IL332

Core No. C-10

Location IL. Route 47, Station 209+12, Center Median

Material	Depth(in.)	Thickness(in.)	Remarks/Condition
Bit. Surface Course	0 to 1 1/4	1 1/4	Poor condition, Class I
Bit. Surface Course	1 1/4 to 2 1/4	1	Poor condition, Class I
Bit. Surface Course	2 1/4 to 3 1/2	1 1/4	Poor to fair condition, Class I
Bit. Binder Course	3 1/2 to 5 3/4	2 1/4	Poor to fair condition, Class I
Bit. Binder Course	5 3/4 to 6 3/4	1	Poor condition, Class I
Bit. Binder Course	6 3/4 to 9 3/4	3	Poor to fair condition, Class I
PCC Base Course	9 3/4 to 16 3/4	7	Good condition
Granular Base	16 3/4 to 40	23 1/4	Dark Olive Brown Silty Clay LOAM, A-6: FILL, Mc=24%
Subgrade	40 to 48+		Black Clay LOAM, A-7-6, Mc=33%

Core No. C-11

Location IL. Route 47, Station 213+61, Center Median

Material	Depth(in.)	Thickness(in.)	Remarks/Condition
Bit. Surface Course	0 to 1 1/2	1 1/2	Poor condition, Class I
Bit. Surface Course	1 1/2 to 3 1/4	1 3/4	Poor condition, Class I
Bit. Binder Course	3 1/4 to 5	1 3/4	Poor to fair condition, Class I
Bit. Binder Course	5 to 7 1/2	2 1/2	Poor to fair condition, Class I
Bit. Binder Course	7 1/2 to 9 1/2	2	Poor to fair condition, Class I
PCC Base Course	9 1/2 to 16 3/4	7 1/4	Fair condition
Subgrade	16 3/4 to 40	23 1/4	Black Clay LOAM, A-7-6, Mc=29%
Subgrade	40 to 48+		Dark Grey Silty CLAY, A-7-6, Mc=27%
			Yellow-Brown mottled @ 45" depth

BD-508A

STATE OF ILLINOIS
Department of Public Works and Buildings
Division of Highways

SOIL TEST DATA

CTL JOB NUMBER: 84IL332 PROJECT: Game Farm Road/Somonauk Street
SECTION: CITY OR COUNTY: Yorkville, Illinois

LAB. NO.		B-8	B-9	B-13	B-15	B-17	
STATION		526+52	523+98	514+10	509+04	503+50	
LOCATION		15' W of CL	13' W of CL	35' SW of CL	14' S of CL	16' S of CL	
DEPTH		1.5'-2.5'	1.5'-2.5'	3.5'-5.0'	3.5'-5.0'	1.0'-2.5'	
HRB CLASSIFICATION		A-6 (7)	A-7-6	A-1-b	A-6 (19)	A-7-6	
GRAIN SIZE CLASSIFICATION		Clay LOAM	Silty CLAY	SAND	Silty CLAY	Silty Clay LOAM	
GRADATION-PASSING 1" SIEVE	%	100	100	100	100	100	
" 3/4" "	%	100	100	100	100	100	
" 1/2" "	%	100	100	100	100	100	
" NO. 4 "	%	98	100	95	100	98	
" NO. 10 "	%	94	98	85	98	96	
" NO. 40 "	%	81	97	45	93	89	
" NO. 100 "	%	67	91	16	86	81	
" NO. 200 "	%	63	89	11	82	80	
SAND	%	31	9	74	16	16	
SILT	%	42	57	11	50	53	
CLAY	%	21	32	0	32	27	
LIQUID LIMIT	%	22	47	0	39	48	
PLASTICITY INDEX	%	14	29	0	24	28	
BEARING RATIO	%	4.4					
STD. DRY DENSITY AASHTO T99	pcf	18.4					
OPTIMUM MOISTURE	%	13.0					

REMARKS:

ORGANIC CONTENT T-194 %

CHICAGO TESTING LABORATORY, INC.

SUMMARY REPORT ON PAVEMENT, BASE AND SUB-BASE DESIGN

CTL JOB NO.	84IL332	PROJECT	Game Farm Road	ROUTE	
SECT#		CITY / COUNTY	Yorkville	DATE	
ADT	CLASS	YEAR		DESIGN PERIOD	
CARS PC/DAY		TRUCKS SU/DAY		TRUCKS MU/DAY	

PAVEMENT STRUCTURE:	ASSUMED		
TYPE OF SURFACE COURSE	Bit. Surface and Binder-Class I	THICKNESS	3
TYPE OF BASE COURSE	Bit. Base Course	THICKNESS	8
TYPE SUB-BASE MATERIAL	Granular Subbase	THICKNESS	4

STA. TO STA.	550+00 to 547+75	547+75 to 542+75	542+75 to 539+25	539+25 to 537+50
*STATION OF TEST	514+10**	523+98**	509+04**	526+52**
*DRAINAGE CLASS	Granular	Fair to Poor	Fair to Poor	Poor
*AVE FROST PENETRATION	42"	42"	42"	42"
GRAIN SIZE CLASSIFICATION	SAND	Silty CLAY	Silty CLAY	Clay LOAM
HRB CLASS & GROUP INDEX	A-1-b	A-7-6	A-6 (19)	A-6 (7)
PERCENT SILT	11	57	50	42
DRY DENSITY AASHO T-99	-	-	-	118.4 pcf
BEARING RATIO, EST.	-	-	-	4.4
OPTIMUM MOISTURE	-	-	-	13.0
REMARKS: **Indicates Similar Soil Tested	Treatment not anticipated	Recommend removing 16" of dark grey and brown Silty CLAY, A-7-6 and replacing with PGEs and underdrains.	Treatment not anticipated	Recommend removing 12" of dark brown Clay LOAM, A-6 and replacing with PGEs and underdrains, or disking, drying and recompacting per Section 301 of the Standard Specs to the depth recommended above

*INDICATES WORST CONDITION WITHIN THE ABOVE STATION LIMITS

CHICAGO TESTING LABORATORY, INC.

SUMMARY REPORT ON PAVEMENT, BASE AND SUB-BASE DESIGN

CTL JOB NO.	84IL332	PROJECT	Game Farm Road	ROUTE	
SECT#		CITY / COUNTY	Yorkville	DATE	
ADT	CLASS	YEAR		DESIGN PERIOD	
CARS PC/DAY		TRUCKS SU/DAY		TRUCKS MU/DAY	

PAVEMENT STRUCTURE:	ASSUMED		
TYPE OF SURFACE COURSE	Bit. Surface and Binder-Class I	THICKNESS	3
TYPE OF BASE COURSE	Bit. Base Course	THICKNESS	8
TYPE SUB-BASE MATERIAL	Granular Subbase	THICKNESS	4

STA. TO STA.	537+50 to 534+25	534+25 to 531+25	531+75 to 528+00	528+00 to 525+25
*STATION OF TEST	526+52**	526+52**	526+52**	526+52**
*DRAINAGE CLASS	Poor	Poor	Poor	Poor
*AVE FROST PENETRATION	42"	42"	42"	42"
GRAIN SIZE CLASSIFICATION	Clay LOAM	Clay LOAM	Clay LOAM	Clay LOAM
HRB CLASS & GROUP INDEX	A-6 (7)	A-6 (7)	A-6 (7)	A-6 (7)
PERCENT SILT	42	42	42	42
DRY DENSITY AASHO T-99	118.4 pcf	118.4 pcf	118.4 pcf	118.4 pcf
BEARING RATIO, EST.	4.4	4.4	4.4	4.4
OPTIMUM MOISTURE	13.0	13.0	13.0	13.0
REMARKS: **Indicates Similar Soil Tested	Recommend removing 10" of brown Silty CLAY, A-6 and replacing with PGEs and underdrains, or disking, drying and recompacting per Section 301 of the Standard Specs to the depth recommended above	Recommend removing 14" of dark brown to black Silty CLAY, A-6 and replacing with PGEs and underdrains.	Recommend removing 12" of dark brown Clay LOAM, A-6 and replacing with PGEs and underdrains, or disking, drying and recompacting per Section 301 of the Standard Specs to the depth recommended above	Recommend removing 12" of dark brown Clay LOAM, A-6 and replacing with PGEs and underdrains.

*INDICATES WORST CONDITION WITHIN THE ABOVE STATION LIMITS

CHICAGO TESTING LABORATORY, INC.

SUMMARY REPORT ON PAVEMENT, BASE AND SUB-BASE DESIGN

CTL JOB NO.	84IL332	PROJECT	Game Farm Road	ROUTE	
SECT#		CITY / COUNTY	Yorkville	DATE	
ADT	CLASS	YEAR		DESIGN PERIOD	
CARS PC/DAY		TRUCKS SU/DAY		TRUCKS MU/DAY	

PAVEMENT STRUCTURE:	ASSUMED		
TYPE OF SURFACE COURSE	Bit. Surface and Binder-Class I	THICKNESS	3
TYPE OF BASE COURSE	Bit. Base Course	THICKNESS	8
TYPE SUB-BASE MATERIAL	Granular Subbase	THICKNESS	4

STA. TO STA.	525+25 to 522+50	522+50 to 519+00	519+00 to 513+55	513+55 to 507+00
*STATION OF TEST	523+98	526+52**	514+10	526+52**
*DRAINAGE CLASS	Fair to Poor	Poor	Granular	Poor
*AVE FROST PENETRATION	42"	42"	42"	42"
GRAIN SIZE CLASSIFICATION	Silty CLAY	Clay LOAM	SAND	Clay LOAM
HRB CLASS & GROUP INDEX	A-7-6	A-6 (7)	A-1-b	A-6 (7)
PERCENT SILT	57	42	11	42
DRY DENSITY AASHO T-99	-	118.4 pcf	-	118.4 pcf
BEARING RATIO	-	4.4	-	4.4
OPTIMUM MOISTURE	-	13.0	-	13.0
REMARKS: **Indicates Similar Soil Tested	Recommend removing 14" of red-brown Silty CLAY, A-7-6 and replacing with PGEs and underdrains.	Recommend removing 12" of dark brown Clay LOAM, A-6 and replacing with PGEs and underdrains.	Treatment not anticipated	Recommend removing 16" of dark brown Clay LOAM, A-6 and replacing with PGEs and underdrains.

*INDICATES WORST CONDITION WITHIN THE ABOVE STATION LIMITS

CHICAGO TESTING LABORATORY, INC.

SUMMARY REPORT ON PAVEMENT, BASE AND SUB-BASE DESIGN

CTL JOB NO.	84IL332	PROJECT	Game Farm Road	ROUTE	
SECT#		CITY / COUNTY	Yorkville	DATE	
ADT	CLASS	YEAR		DESIGN PERIOD	
CARS PC/DAY		TRUCKS SU/DAY		TRUCKS MU/DAY	

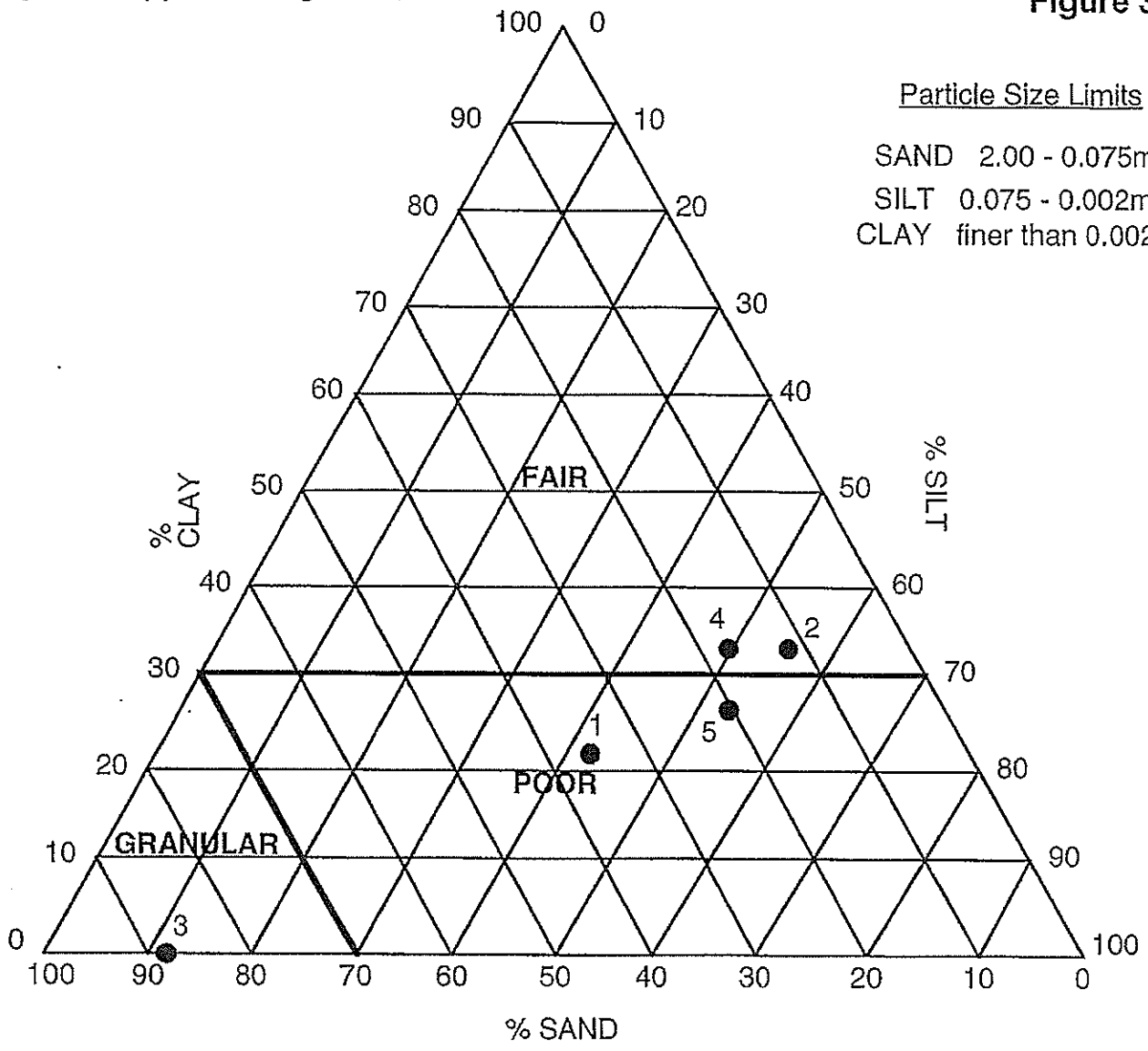
PAVEMENT STRUCTURE:	ASSUMED		
TYPE OF SURFACE COURSE	Bit. Surface and Binder-Class I	THICKNESS	3
TYPE OF BASE COURSE	Bit. Base Course	THICKNESS	8
TYPE SUB-BASE MATERIAL	Granular Subbase	THICKNESS	4

STA. TO STA.	507+50 to 504+75	504+75 to 502+50	502+50 to 499+50	499+50 to 494+92
*STATION OF TEST	526+52**	503+50	509+04**	509+04**
*DRAINAGE CLASS	Poor	Poor to Fair	Fair to Poor	Fair to Poor
*AVE FROST PENETRATION	42"	42"	42"	42"
GRAIN SIZE CLASSIFICATION	Clay LOAM	Silty Clay LOAM	Silty CLAY	Silty CLAY
HRB CLASS & GROUP INDEX	A-6 (7)	A-7-6	A-6 (19)	A-6
PERCENT SILT	42	53	50	50
DRY DENSITY AASHO T-99	118.4 pcf	-	-	-
BEARING RATIO	4.4	-	-	-
OPTIMUM MOISTURE	13.0	-	-	-
REMARKS: **Indicates Similar Soil Tested	Recommend removing 12" of black Clay LOAM, A-6 and replacing with PGEs and underdrains.	Recommend removing 10" of dark grey Silty Clay LOAM & SAND, mixed A-7-6 & A-2 FILL, replacing with PGEs & underdrains, or disking, drying and recompacting per Section 301 of the Standard Specs to the depth recommended above	Recommend removing 10" of brown Silty CLAY, A-6 and replacing with PGEs and underdrains, or disking, drying and recompacting per Section 301 of the Standard Specs to the depth recommended above	Treatment not anticipated

*INDICATES WORST CONDITION WITHIN THE ABOVE STATION LIMITS

Subgrade Support Rating Chart

Figure 3



GAME FARM ROAD/SOMONAUK STREET CTL Project No. 84IL332			
1.	B-8	1.5'-2.5'	Clay LOAM, A-6
2.	B-9	1.0'-2.5'	Silty CLAY, A-7-6
3.	B-13	3.5'-5.0'	SAND, A-1-b
4.	B-15	3.5'-5.0'	Silty CLAY, A-6
5.	B-17	1.0'-2.5'	Silty Clay LOAM, A-7-6

CHICAGO TESTING LABORATORY, INC.

SOIL COMPACTION TEST GRAPH

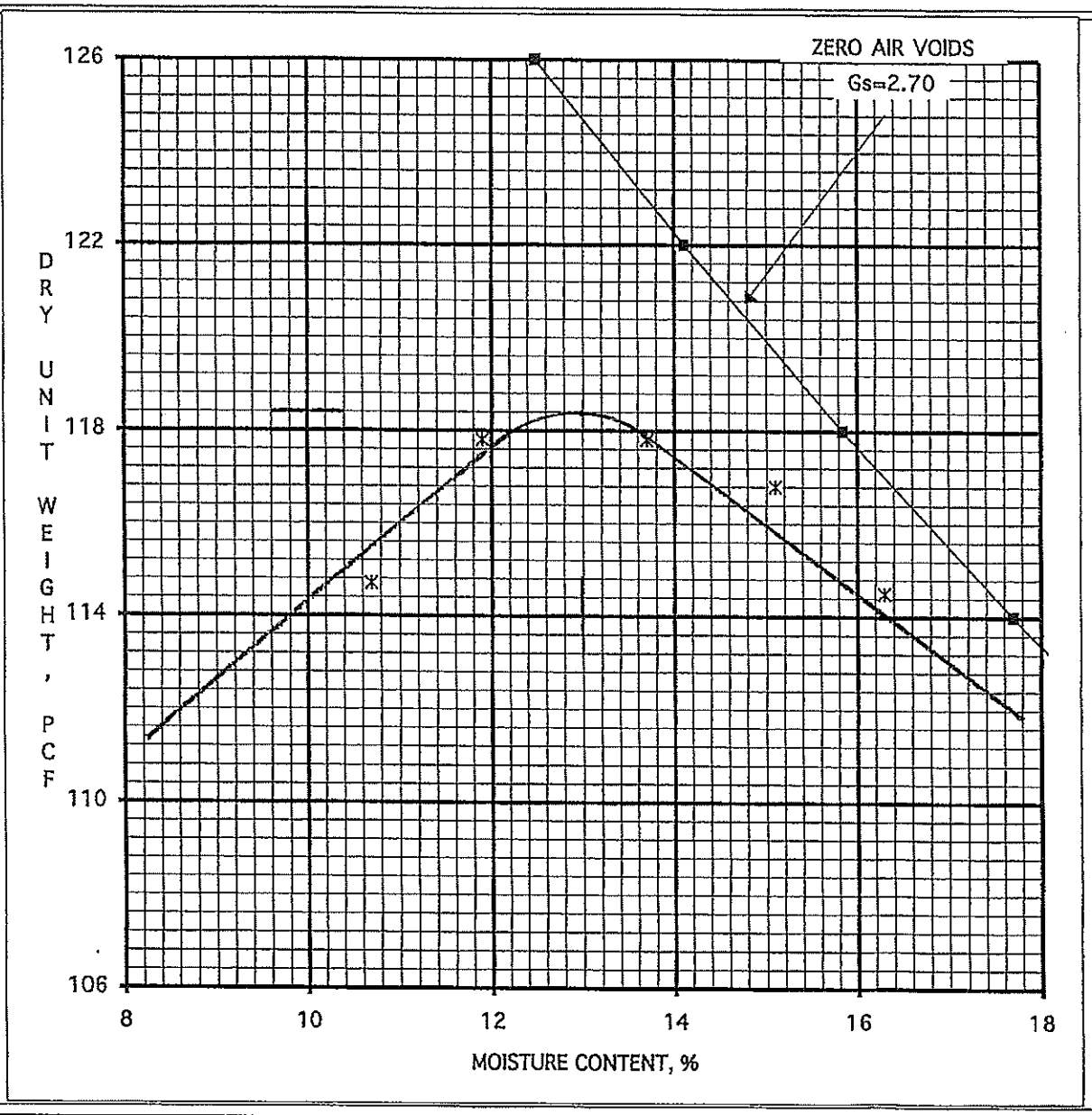
PROJECT:	GAME FARM ROAD AND SOMONAUK STREET	REPORT NO.	1 LAB
LOCATION:	YORKVILLE, ILLINOIS	DATE:	12/20/06
CLIENT:	SMITH ENGINEERING CONSULTANTS	OUR JOB NO.	84IL332

DESCRIPTION OF SOIL: BROWN CLAY

TEST PROCEDURE: ASTM D-698 PROJECT SOIL NO. 1

MATERIAL SOURCE: ON-SITE

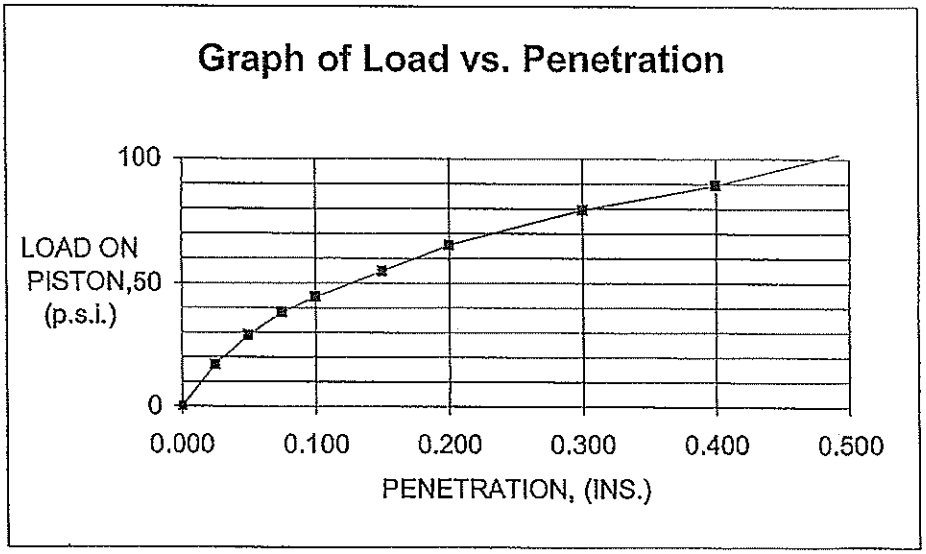
TEST RESULTS: MAXIMUM DRY DENSITY 118.4 PCF OPTIMUM MOISTURE 13.0 %



FILE NO.:	84IL332
PROJECT NAME:	Game Farm Road and Somonauk Street
SAMPLE I.D.:	B-8
CLASSIFICATION:	Brown CLAY
MAX.UNIT WT.:	118.4 P.C.F.
OPT. M.C.:	13.0 %
TEST UNIT WT.:	114.2 P.C.F.
TEST INIT. M.C.:	14.0 %
TEST% of MAX.	96.5 %

RAW LOAD/PENETRATION DATA		
Penetration, (INS.)	Dial Gage ReadingX0.001	Load,lbs
0	0.00	0.0
0.025	24.00	50.6
0.05	41.00	86.5
0.075	54.00	113.9
0.1	63.00	132.9
0.15	78.00	164.6
0.2	93.00	196.2
0.3	113.00	238.4
0.4	127.00	268.0
0.5	146.00	308.1

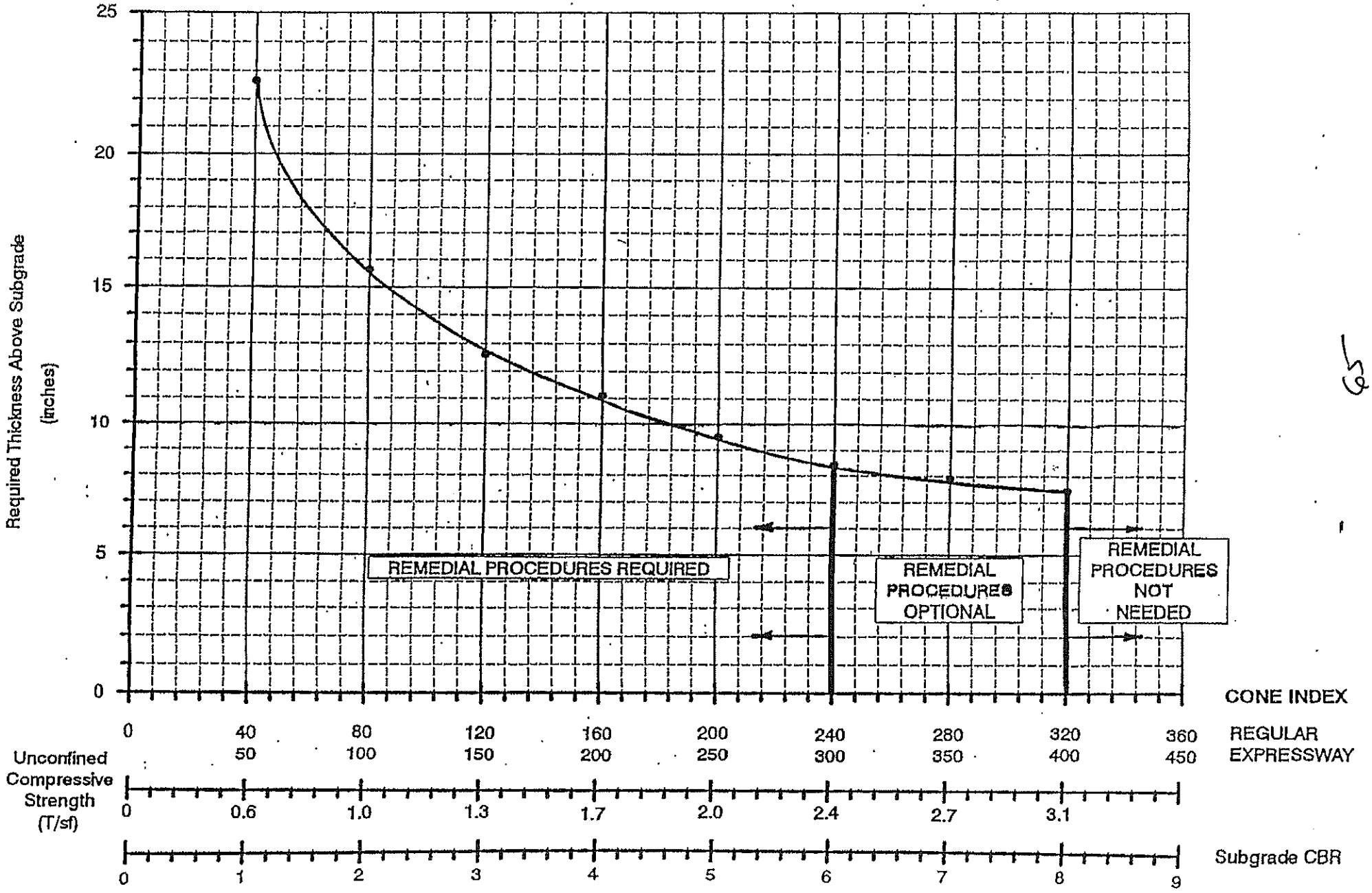
BEARING RATIO RESULTS TO GRAPH		
Penetration, (INS.)	Load on Piston, (PSI)	IBR,@penetration
0.000	0	
0.025	17	
0.050	29	
0.075	38	
0.100	44	4.4%
0.150	55	
0.200	65	4.4%
0.300	79	
0.400	89	
0.500	103	



Illinois Department of Transportation

REMEDIAL TREATMENT GRANULAR BACKFILL and LIME MODIFIED SOIL

Figure 4



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Illinois Department of Transportation

Storm Water Pollution Prevention Plan

Route	FAU Route 1550 (Game Farm Road)	Marked Rte.	N/A
Section	03-00031-00-FP	Project No.	M-8003(810)
County	Kendall	Contract No.	87345

This plan has been prepared to comply with the provisions of the National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10 (Permit ILR10), issued by the Illinois Environmental Protection Agency (IEPA) 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.

Brad Sanderson	
Print Name	Signature
City Engineer	8/21/14
Title	Date
United City of Yorkville	
Agency	

I. Site Description:

A. Provide a description of the project location (include latitude and longitude):

This project is located along FAU Route 1550 (Game Farm Road), between U.S. Route 34 and approximately 275 feet west of Illinois Route 47 in the United City of Yorkville, Kendall County, Illinois. Game Farm Road is under the jurisdiction of the United City of Yorkville and U.S. Route 34 is under the jurisdiction of IDOT. The total length of the project is 4,718 feet (0.89 miles).

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

The project consists of the reconstruction of Game Farm Road for the addition of one (1) bi-directional lane and auxiliary turn lanes at side road intersections. The existing traffic signal at the intersection of U.S. Route 34 will be reconstructed. The project also includes new storm sewer and water main, grading and landscaping.

C. Provide the estimated duration of this project:

The estimated duration of this project is eight (8) months.

D. The total area of the construction site is estimated to be ± 8.5 acres.

The total area of the site estimated to be disturbed by excavation, grading or other activities is ± 7.7 acres.

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

The estimated proposed runoff coefficient for this project after construction activities are completed is 0.66.

F. List all soils found within project boundaries. Include map unit name, slope information, and erosivity:

Per the Natural Resources Conservation Service's Web Soil Survey, the following soil types are present in the vicintity of the project area:

Drummer silty clay loam (152A): 0-2 percent slopes, K value = 0.24, moderate susceptibility to erosion
Lorenzo loam (318D2): 6-12 percent slopes, eroded, K value = 0.24, moderate susceptibility to erosion
Dresden silt loam (325A): 0-2 percent slopes, K value = 0.28, moderate susceptibility to erosion

Dresden silt loam (325B): 2-4 percent slopes, K value = 0.28, moderate susceptibility to erosion
Casco-Rodman complex (969F): 20-30 percent slopes, K value = 0.32, severe susceptibility to erosion

G. Provide an aerial extent of wetland acreage at the site:

There are no wetlands located within the area of disturbance proposed with this project.

H. Provide a description of potentially erosive areas associated with this project:

No erosive areas are anticipated, provided that stabilization measures are installed in accordance with the Erosion Control Plan and this Storm Water Pollution Prevention Plan.

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

Pre-Stage: Install detour signing, install temporary erosion control, perform utility relocates and remove trees as shown on the plans.

Stage 1: (Construction between US Route 34 and just past north entrance of Yorkville High School.) Adjust existing traffic signals as called out in plans. Construct the retaining wall near U.S. Route 34. Perform removal operations. Provide temporary aggregate for access to all entrances and maintain during construction. Install proposed storm sewer, pavement, driveways, and sidewalks as shown on the plans. Construct combination curb and gutter along the outside edge of pavement. In order to facilitate pavement drainage during staging, gaps in the curb and gutter shall be provided at the locations indicated in the plans or as directed by the Engineer. Activate permananent traffic signals. Install all landscaping items within Stage 1.

Stage 2: (Construction from North Entrance of High School to East of King Street) Install and maintain temporary fencing along school district frontage. Perform removal operations. Provide temporary aggregate as needed for access to all entrances and maintain during construction. Install proposed storm sewer, pavement, driveways and sidewalks as shown on the plans. Construct combination curb and gutter along the outside edge of pavement. In order to facilitate drainage during staging, gaps in the curb and gutter shall be provided at locations indicated on the plans or as directed by the Engineer. Install termporary pavement markings and install all landscaping items within Stage 2.

Stage 3: (Construction from East of King Street to east of Tower Lane) Perform removal operations. Provide temporary aggregate as needed for access to all entrances and maintain during construction. Install proposed storm sewer, pavement, driveways and sidewalks as shown on the plans. Construct combination curb and gutter along the outside edge of pavement. In order to facilitate drainage during staging, gaps in the curb and gutter shall be provided at locations shown on the plans or as directed by the Engineer. Install temporary pavement markings and install all landscaping items within Stage 3. Maintain temporary fencing along school district frontage.

Stage 4: Construct the remainder of the combination curb and gutter along the outside edge of pavement areas that were gapped in previous stages. Activate permanent traffic signal equipment. Construct HMA surface course, final pavement markings and remaining landscaping.

The main soil disturbing activity for this project consists of grading for the purposes of widening the existing roadways. The project also includes some roadside ditch grading and the re-grading of an existing drainage outlet channel.

All proposed roadway foreslopes and backslopes have slopes of 1:3 or flatter. All of the proposed ditch grades are less than 2%. The depth in this ditch during the design storm event is only about two (2) inches and, in combination with the proposed erosion control measures, scouring is not anticipated. All foreslopes and backslopes will be stabilized with erosion control blanket and the ditches stabilized with erosion control blanket and temporary ditch checks. Where inlets discharge onto foreslopes, these locations will be protected with riprap to dissipate flow velocity. The sewer discharge point at the top of the drainage outlet channel will also be protected with riprap to dissipate flow velocity.

J. 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.

K. Identify who owns the drainage system (municipality or agency) this project will drain into:

The United City of Yorkville owns the existing and proposed storm sewer along Game Farm Road and Somonauk Street. IDOT owns the existing storm sewer along U.S. Route 34.

L. The following is a list of General NPDES ILR40 permittees within whose reporting jurisdiction this project is located.

N/A

M. The following is a list of receiving water(s) and the ultimate receiving water(s) for this site. The location of the receiving waters can be found on the erosion and sediment control plans:

The project area discharges storm water runoff to the storm sewer and roadside ditches along Game Farm Road, Somonauk Street and U.S. Route 34. The ultimate receiving waters for this site are the existing detention facility located west of Yorkville High School and Blackberry Creek.

N. Describe areas of the site that are to be protected or remain undisturbed. These areas may include steep slopes, highly erodible soils, streams, stream buffers, specimen trees, natural vegetation, nature preserves, etc.

Any areas within the defined project location but outside the construction limits shall remain undisturbed. This includes all specimen trees and natural vegetation.

O. The following sensitive environmental resources are associated with this project, and may have the potential to be impacted by the proposed development:

- ☐ Floodplain
- ☐ Wetland Riparian
- ☐ Threatened and Endangered Species
- ☐ Historic Preservation
- ☐ 303(d) Listed receiving waters for suspended solids, turbidity, or siltation
- ☐ Receiving waters with Total Maximum Daily Load (TMDL) for sediment, total suspended solids, turbidity or siltation
- ☐ Applicable Federal, Tribal, State or Local Programs
- ☐ Other

1. 303(d) Listed receiving waters (fill out this section if checked above):

   a. The name(s) of the listed water body, and identification of all pollutants causing impairment:

   b. Provide a description of how erosion and sediment control practices will prevent a discharge of sediment resulting from a storm event equal to or greater than a twenty-five (25) year, twenty-four (24) hour rainfall event:

   c. Provide a description of the location(s) of direct discharge from the project site to the 303(d) water body:

   d. Provide a description of the location(s) of any dewatering discharges to the MS4 and/or water body:

2. TMDL (fill out this section if checked above)

a. The name(s) of the listed water body:

b. Provide a description of the erosion and sediment control strategy that will be incorporated into the site design that is consistent with the assumptions and requirements of the TMDL:

c. If a specific numeric waste load allocation has been established that would apply to the project's discharges, provide a description of the necessary steps to meet that allocation:

P. 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 ILR10. 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:** At a minimum, controls must be coordinated, installed and maintained to:

1. Minimize the amount of soil exposed during construction activity;
2. Minimize the disturbance of steep slopes;
3. Maintain natural buffers around surface waters, direct storm water to vegetated areas to increase sediment removal and maximize storm water infiltration, unless infeasible;
4. Minimize soil compaction and, unless infeasible, preserve topsoil.

B. **Stabilization 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(B)(1) and II(B)(2), stabilization measures shall be initiated **immediately** where construction activities have temporarily or permanently ceased, but in no case more than **one (1) day** 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 fourteen (14) or more calendar days.

1. Where the initiation of stabilization measures is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.

2. On areas where construction activity has temporarily ceased and will resume after fourteen (14) days, a temporary stabilization method can be used.

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 during construction:

Protection of Trees - This will consist of protecting the trunks and roots or trees at locations denoted in the plans in accordance with the applicable special provisions.

Temporary Erosion Control Seeding - This system consists of seeding all erodible/bare areas to minimize the amount of exposed surface area. Seed shall be applied to all bare areas every seven (7) days in accordance with Section 280 of the Standard Specifications.

Erosion Control Blanket shall be installed over disturbed areas behind the retaining wall that have been brought to final grade and permanently seeded and fertilized in order to protect the soil from rill and gully erosion and to allow the seed to germinate properly.

Describe how the stabilization practices listed above will be utilized after construction activities have been completed:

All areas disturbed by construction will be stabilized as soon as permitted with permanent seeding, Class 2A, and fertilizers following the finished grading.

C. **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) Inlet & Pipe Protection
☐	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 during construction:

Perimeter Erosion Barrier - Prior to commencement of any grading activities, a continuous silt fence shall be placed adjacent to construction areas to intercept sheet flow of waterborne silt and sediment and prevent it from leaving the construction site. The locations requiring silt fence are designated on the Erosion Control Plans.

Temporary Ditch Check - Temporary Ditch Checks shall be constructed at the locations shown on the Erosion Control Plans to prevent siltation, erosion or scour of newly graded ditches or drainage ways.

Storm Drain Inlet Protection - Inlet Filters will be placed in every inlet, catch basin or manhole with an open lid. All structures requiring Inlet Filters are listed in the Erosion Control Plans and the Schedule of Quantities.

Describe how the structural practices listed above will be utilized after construction activities have been completed:

Riprap - All major storm sewer outlets shall be protected with riprap to dissipate flow velocity and disperse the point of discharge.

Inlet and Pipe Protection - This system consists of surrounding pipe inlets to intercept water borne silt and sediment, and preventing it from entering the culvert or drainage system.

D. **Treatment Chemicals**

Will polymer flocculants or treatment chemicals be utilized on this project: ☐ Yes ☒ No

If yes above, identify where and how polymer flocculants or treatment chemicals will be utilized on this project.

N/A

E. **Permanent Storm Water Management Controls:** Provided below is a description of measures that will be installed during the construction process to control volume and 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.

1. 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 Chapter 41 (Construction Site Storm Water Pollution Control) of the IDOT Bureau of Design and Environment Manual. If practices other than those discussed in Chapter 41 are selected for implementation or if practices are applied to situations different from those covered in Chapter 41, the technical basis for such decisions will be explained below.

2. 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 permanent storm water management controls:

   Storm water detention is not required for this project.

F. **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. 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 the 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:

Not applicable.

G. **Contractor Required Submittals:** Prior to conducting any professional services at the site covered by this plan, the Contractor and each subcontractor responsible for compliance with the permit shall submit to the Resident Engineer a Contractor Certification Statement, BDE 2342a.

1. The Contractor shall provide a construction schedule containing an adequate level of detail to show major activities with implementation of pollution prevention BMPs, including the following items:

- Approximate duration of the project, including each stage of the project
- Rainy season, dry season, and winter shutdown dates
- Temporary stabilization measures to be employed by contract phases
- Mobilization timeframe
- Mass clearing and grubbing/roadside clearing dates
- Deployment of Erosion Control Practices
- Deployment of Sediment Control Practices (including stabilized construction entrances/exits)
- Deployment of Construction Site Management Practices (including concrete washout facilities, chemical storage, refueling locations, etc.)
- Paving, saw-cutting, and any other pavement related operations
- Major planned stockpiling operations
- Timeframe for other significant long-term operations or activities that may plan non-storm water discharges such as dewatering, grinding, etc.
- Permanent stabilization activities for each area of the project

2. The Contractor and each subcontractor shall provide, as an attachment to their signed Contractor Certification Statement, a discussion of how they will comply with the requirements of the permit in regard to the following items and provide a graphical representation showing location and type of BMPs to be used when applicable:

   - Vehicle Entrances and Exits – Identify type and location of stabilized construction entrances and exits to be used and how they will be maintained.
   - Material Delivery, Storage and Use – Discuss where and how materials including chemicals, concrete curing compounds, petroleum products, etc. will be stored for this project.
   - Stockpile Management – Identify the location of both on-site and off-site stockpiles. Discuss what BMPs will be used to prevent pollution of storm water from stockpiles.
   - Waste Disposal – Discuss methods of waste disposal that will be used for this project.
   - Spill Prevention and Control – Discuss steps that will be taken in the event of a material spill (chemicals, concrete curing compounds, petroleum, etc.)
   - Concrete Residuals and Washout Wastes – Discuss the location and type of concrete washout facilities to be used on this project and how they will be signed and maintained.
   - Litter Management – Discuss how litter will be maintained for this project (education of employees, number of dumpsters, frequency of dumpster pick-up, etc.).
   - Vehicle and Equipment Fueling – Identify equipment fueling locations for this project and what BMPs will be used to ensure containment and spill prevention.
   - Vehicle and Equipment Cleaning and Maintenance – Identify where equipment cleaning and maintenance locations for this project and what BMPs will be used to ensure containment and spill prevention.
   - Dewatering Activities – Identify the controls which will be used during dewatering operations to ensure sediments will not leave the construction site.
   - Polymer Flocculants and Treatment Chemicals – Identify the use and dosage of treatment chemicals and provide the Resident Engineer with Material Safety Data Sheets. Describe procedures on how the chemicals will be used and identify who will be responsible for the use and application of these chemicals. The selected individual must be trained on the established procedures.
   - Additional measures indicated in the plan.

III. **Maintenance:**

When requested by the Contractor, the Resident Engineer will provide general maintenance guides to the Contractor for the practices associated with this project. The following additional procedures 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. It will be the Contractor's responsibility to attain maintenance guidelines for any manufactured BMPs which are to be installed and maintained per manufacture's specifications.

Construction equipment shall be stored and fueled only at designated locations. All necessary measures shall be taken to contain any fuel or pollution runoff in compliance with environmental law and EPA Water Quality Regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site. On a weekly basis, the Engineer shall inspect the project to determine whether erosion control efforts are in place and effective and if other additional control measures are necessary. Sediment collected during construction by the various temporary erosion control systems shall be disposed of on the site on a regular basis as directed by the Engineer.

All erosion and sediment control measures should be checked weekly and after each significant rainfall (0.5 inch or greater in a 24-hour period) or equivalent snowfall. Additionally, during winter months (if applicable), all measures should be checked after each significant snowmelt. The following items should be checked:

1. Seeding - All erodible bare earth areas will be temporarily seeded and inspected on a weekly basis to minimize the amount of erodible surface within the proposed project limits.
2. Perimeter Erosion Barrier.
3. Erosion Control Blanket.
4. Tree Protection.

Additionally, all locations where vehicles enter and exit the construction site and all other areas subject to erosion should also be inspected periodically. Inspection of these areas shall be made at least once every seven (7) days and within 24 hours of the end of each 0.5 inch or greater rainfall or equivalent snowfall.

All maintenance of the erosion and sediment control measures will be the responsibility of the contractor. This maintenance shall be in accordance with the IDOT Erosion and Sediment Control Field Guide for Construction Inspection (dated July 1, 2010) and IDOT's Best Management Practices - Maintenance Guides.

The temporary erosion control systems shall remain in place with proper maintenance until the permanent erosion controls are in place, working properly and seeding has been established. Once the permanent erosion control systems have taken hold and are functional, the temporary items shall be removed along with any trapped sediment and any disturbed areas shall be reseeded.

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 using IDOT Storm Water Pollution Prevention Plan Erosion Control Inspection Report (BC 2259). Such inspections shall be conducted at least once every seven (7) calendar days and within twenty-four (24) hours of the end of a storm or by the end of the following business or work day that is 0.5 inch or greater or equivalent snowfall.

Inspections may be reduced to once per month when construction activities have ceased due to frozen conditions. Weekly inspections will recommence when construction activities are conducted, or if there is 0.5" or greater rain event, or a discharge due to snowmelt occurs.

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 twenty-four (24) hours of the incident. The Resident Engineer shall then complete and submit an "Incidence of Non-Compliance" (ION) report for the identified violation within five (5) days of the incident. The Resident Engineer shall use forms provided by IEPA 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 non-compliance shall be signed by a responsible authority in accordance with Part VI. G of the Permit ILR10.

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

Additional Inspections Required:

N/A

V. 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 Permit ILR10 which could be passed on to the Contractor.

Illinois Department of Transportation

Contractor Certification Statement

Prior to conducting any professional services at the site covered by this contract, the Contractor and every subcontractor must complete and return to the Resident Engineer the following certification. A separate certification must be submitted by each firm. Attach to this certification all items required by Section II.G of the Storm Water Pollution Prevention Plan (SWPPP) which will be handled by the Contractor/subcontractor completing this form.

Route	FAU Route 1550 (Game Farm Road)	Marked Rte.	N/A
Section	03-00031-00-FP	Project No.	M-8003(810)
County	Kendall	Contract No.	87345

This certification statement is a part of SWPPP for the project described above, in accordance with the 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 Permit No. 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 SWPPP for the above mentioned project; I have received copies of all appropriate maintenance procedures; and, I have provided all documentation required to be in compliance with the Permit ILR10 and SWPPP 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

Items which this Contractor/subcontractor will be responsible for as required in Section II.G. of SWPPP:

Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

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

Project Name: FAU 1550 - Game Farm Road Soil Assessment Office Phone Number, if available: _____

Physical Site Location (address, incldiuding number and street):

Game Farm Road and Somonauk Street - See Attached Figures

City: Yorkville State: IL Zip Code: 60560

County: Kendall Township: Bristol

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.648881 (Decimal Degrees) Longitude: -88.450300 (-Decimal Degrees)

Identify how the lat/long data were determined:

☐ GPS ☒ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

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

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	United City of Yorkville	Name:	
Street Address:	800 Game Farm Road	Street Address:	
PO Box:		PO Box:	
City:	Yorkville State: IL	City:	State:
Zip Code:	60560 Phone: 630.533.4350	Zip Code:	Phone:
Contact:		Contact:	
Email, if available:		Email, if available:	

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAU 1550 - Game Farm Road Soil Assessment

Latitude: 41.648881 Longitude: -88.450300

Uncontaminated Site Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

A limited historical and regulatory review was performed to identify PIPs. Site reconnaissance and PID screening were performed while sampling to evaluate PIPs. Based on the nature and scope of the project, 5 soil samples were collected for the indicator contaminants associated with the identified PIPs. Figure 2 identifies the location of the samples.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

See attached analytical summary tables, laboratory reports and associated NELAC certification. Figure 2 identifies the project area that complies with 35 IAC Part 1100 Subpart F.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Ryan M. LaDieu, P.E. (name of licensed professional engineer or geologist) 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 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. 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))

Company Name: True North Consultants

Street Address: 1240 Iroquois Avenue, Suite 206

City: Naperville State: IL Zip Code: 60563

Phone: 630.717.2880

Ryan M. LaDieu
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

02 25 14
Date:

LICENSED PROFESSIONAL ENGINEER
RYAN M. LaDIEU
062-053687
STATE OF ILLINOIS

P.E. or L.P.G. Seal:

TRUE NORTH
CONSULTANTS

POTENTIALLY IMPACTED PROPERTY (PIP) DETERMINATION FORM

FAU 1550: GAME FARM ROAD/SOMONAUK STREET FROM U.S. ROUTE 34 TO 500 FEET EAST OF ILLINOIS ROUTE 47

SITE: YORKVILLE, KENDALL COUNTY, ILLINOIS 60560 DATE: DECEMBER 17, 2013

CLIENT: ENGINEERING ENTERPRISES, INC.

INSPECTOR(S): MARJORY MCMAHON WEATHER CONDITIONS: N/A

SCREENING METHOD: LIMITED HISTORICAL & REGULATORY RECORDS REVIEW

BASED ON REVIEWED INFORMATION, THE SITE HAS BEEN IDENTIFIED AS A:
☐ NON-PIP ☒ PIP

FURTHER SOIL ASSESSMENT ☒ IS RECOMMENDED ☐ IS NOT RECOMMENDED BEYOND pH SAMPLING AND PID SCREENING AT THE SITE TO DETERMINE IF THE SOILS CAN BE CERTIFIED AS UNCONTAMINATED SOIL PER THE REQUIREMENTS OF 35 IAC PART 1100.

THE FOLLOWING IDENTIFIES THE REASONS THE SITE HAS BEEN DETERMINED TO BE A PIP:

☐ SITE IDENTIFIED IN FEDERAL, STATE OR LOCAL REGULATORY DATABASE THAT SUGGESTS POTENTIAL SOIL IMPACT

☐ HISTORICAL INFORMATION SUGGESTS PAST OR CURRENT SITE USE MAY POTENTIALLY IMPACT SOILS

☒ PROPERTY ADJACENT TO THE SITE IS IDENTIFIED IN FEDERAL, STATE OR LOCAL REGULATORY DATABASE THAT SUGGESTS POTENTIAL SOIL IMPACT

☒ HISTORICAL INFORMATION SUGGESTS PAST OR CURRENT USE OF ADJACENT PROPERTY MAY POTENTIALLY IMPACT SOILS AT THE SITE

☐ OTHER: _____

FIELD SCREENING DOCUMENTATION

PID MAKE & MODEL: _____ BACKGROUND PID READING: _____

SAMPLE NUMBER	SAMPLE LOCATION	TYPE OF SAMPLE (COMPOSITE/GRAB)	LAB SAMPLE COLLECTED (Y/N)	PID READING (PPM)
1				
2				
3				
4				

Notes:

The project involves the reconstruction of Game Farm Road/Somonauk Street from US Route 34 to 500' east of Illinois Route 47 in Yorkville, Illinois.

Historical Use & Regulatory Review Summary

Source of Information: EDR Vista- Environmental Database Report

Historical Aerials (www.historicaerials.com)

Identified Historical Uses: Game Farm Road/Somonauk Street appear developed prior to 1929. The adjoining properties appear to be residential. Between 1944 and 1955, Yorkville Elementary appears to have been built. Between 1959 and 1974, Yorkville High School appears to have been built.

Is there evidence of chemical/compound use on site or associated with the historical use? *(if yes, identify chemicals/compounds or family of chemicals/compounds)* ☐ YES ☒ NO

Is the Site identified in a Federal/State regulatory database? ☐ YES ☒ NO
(if yes, identify regulatory database and summarize findings)

Are any of the surrounding properties identified in Federal/State regulatory databases? *(if yes, identify the property, the regulatory database, and summarize findings)* ☒ YES ☐ NO

Several adjoining properties were identified in the searched databases. Illinois Department of Conservation, 804 Game Farm Road, was listed in the UST Database as operating or formerly operating one 500 gallon gasoline UST and one 500 gallon diesel UST. The tanks were reported to have been removed in 1986. No violations were reported and no further information was available. Yorkville High School, 702 Game Farm Road, was listed in the UST, RCRA-SQG, FINDS and BOL databases. One 10,000 gallon heating oil UST was reported as being removed in 1991. The RCRA status of this site is associated with the generation of ignitable, corrosive and reactive hazardous wastes. No violations were reported and no further information was available. Yorkville Grade School, 201 W. Somonauk Street, was listed in the UST database. One 7,000 gallon UST of an unknown substance was reported as having been removed in 1990. No violations were reported and no further information was available.

Is there physical evidence of soil contamination ☐ YES ☒ NO
(if yes, identify physical evidence)

Not applicable – site reconnaissance will be performed during sampling activities.

IS LABORATORY SAMPLING NECESSARY TO EVALUATE SITE SOILS? ☒ YES ☐ NO

POTENTIALLY IMPACTED PROPERTIES (PIPS) WERE IDENTIFIED ON SURROUNDING PROPERTIES TO THE SITE.

PROPOSED CONSTITUENTS OF CONCERN TO BE ANALYZED FOR THE MATERIAL TO MEET THE PROPOSED CCDD FACILITY SPECIFIC REQUIREMENTS.

(IF YES, IDENTIFY ANALYTICAL PARAMETERS AND ATTACH LABORATORY DATA SHEETS) ☐ NOT APPLICABLE

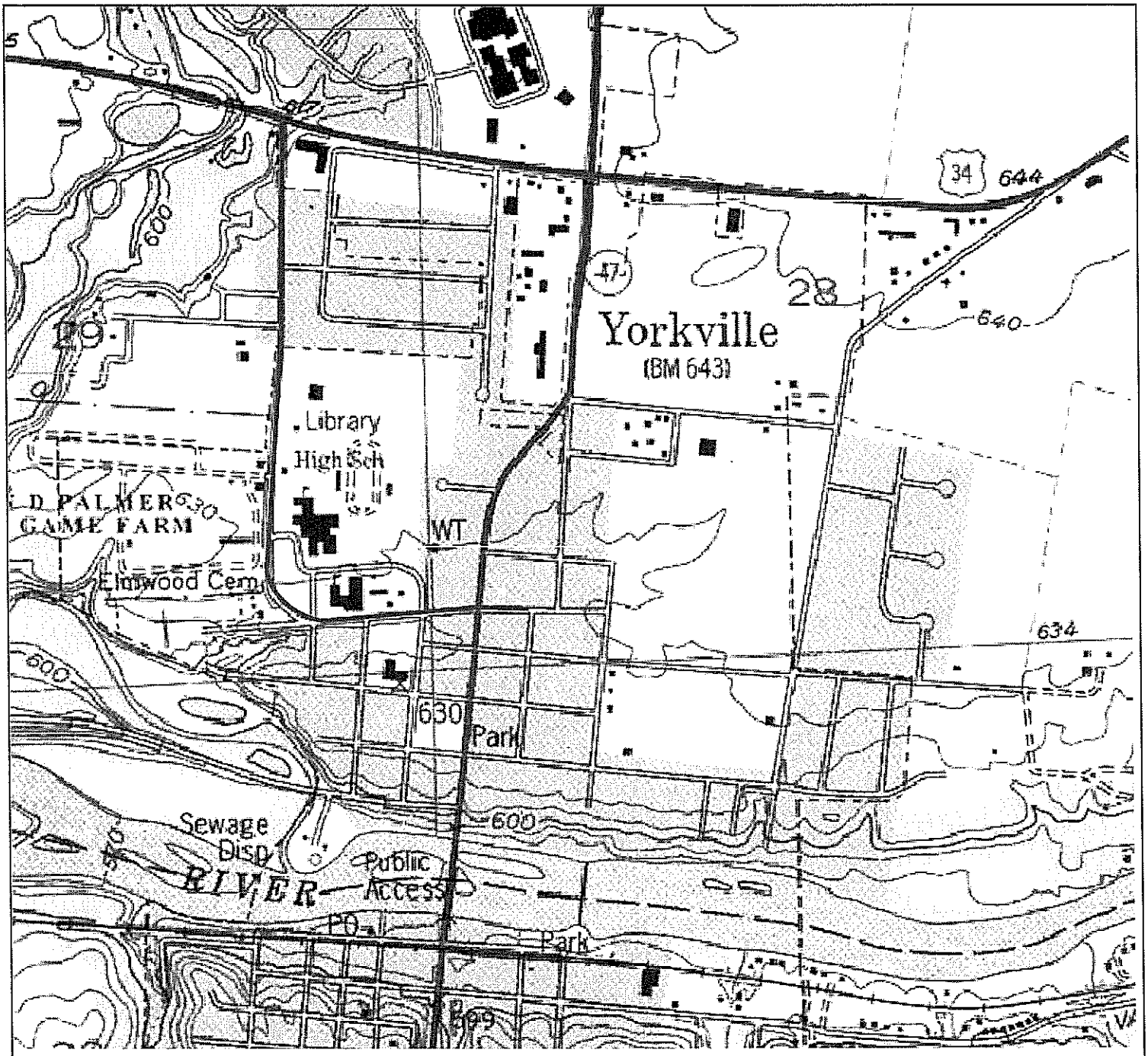
	pH	RCRA Metals	VOCs	BETX	SVOCs	PNAs	PCBs	Pesticides	MAC Table
Number of Samples	**5**	**5**		**5**		**5**			
Hanson Materials	☒	☒	☐	☒	☐	☒	☐	☐	☐
Reliable Materials	☒	☒	☐	☒	☐	☒	☐	☐	☐
Other Facility (potentially):	☒	☐	☐	☐	☐	☐	☐	☐	☒
Other Parameters Required:									

PROPOSED NUMBER OF SAMPLES TO BE COLLECTED FOR THE ABOVE CONSTITUENTS OF CONCERN.

TRUE NORTH RECOMMENDS COLLECTING UP TO FIVE (5) SOIL SAMPLES ALONG THE PROJECT AREA FOR A COMBINATION OF THE ABOVE CONSTITUENTS WHICH WERE SELECTED BASED ON THE POTENTIAL INDICATOR CONTAMINANTS ASSOCIATED WITH RCRA GENERATORS, HEATING OIL, GASOLINE, AND TYPICAL CCDD FACILITY REQUIREMENTS. TWO (2) SAMPLES SHOULD BE COLLECTED NEAR 201 W. SOMONAUK STREET FOR BETX, PNAS, RCRA METALS AND PH. TWO (2) SAMPLES SHOULD BE COLLECTED NEAR 702 GAME FARM ROAD FOR BETX, PNAS, RCRA METALS AND PH. ONE (1) SAMPLE SHOULD BE COLLECTED NEAR 804 GAME FARM ROAD FOR BETX, PNAS, RCRA METALS AND PH.

ARE ANY OTHER SAMPLING OR ASSESSMENT REQUIREMENTS? ☒ YES ☐ NO ☐ NOT APPLICABLE

SOIL PID SCREENING SHOULD BE PERFORMED DURING SOIL SAMPLING ACTIVITIES.



1993 YORKVILLE, ILLINOIS — TOPOGRAPHIC MAP ADAPTED MAPTECH

APPROXIMATE SITE BOUNDARY

TRUENORTH CONSULTANTS 1240 IROQUOIS AVE, SUITE 206 NAPERVILLE, ILLINOIS 60563	SITE LOCATION: FAU 1550: GAME FARM ROAD/SOMONAUK STREET FROM US ROUTE 34 TO 500' EAST OF IL ROUTE 47 YORKVILLE, ILLINOIS 60560	NOT TO SCALE	FIGURE: 1 PROJECT NUMBER: T113747 DATE: 02/25/2014
	CLIENT: ENGINEERING ENTERPRISES INC. 52 WHEELER ROAD SUGAR GROVE, ILLINOIS 60554		

2010— AERIAL PHOTOGRAPH ADAPTED FROM MICROSOFT BING

APPROXIMATE SITE BOUNDARY

PROPOSED LOCATION OF SOIL SAMPLE BORING

TRUENORTH CONSULTANTS 1240 IROQUOIS AVE, SUITE 206 NAPERVILLE, ILLINOIS 60563	SITE LOCATION	FAU 1550: GAME FARM ROAD/SOMONAUK STREET FROM US ROUTE 34 TO 500' EAST OF IL ROUTE 47 YORKVILLE, ILLINOIS 60560	FIGURE 2
	CLIENT	ENGINEERING ENTERPRISES INC. 52 WHEELER ROAD SUGAR GROVE, ILLINOIS 60554	PROJECT NUMBER TII3747
		NOT TO SCALE	DATE 02/25/2014

TABLE I

Summary of Soil Analytical Results - Soil Characterization Sampling

Benzene, Ethylbenzene, Toluene, Xylenes (BETX)

CLIENT: Joel Kennedy Constructing
SITE: FAU 1550: Game Farm Road, Yorkville, Illinois 60560
PROJECT NUMBER: TII3747

SAMPLE DATE: February 17, 2014
LABORATORY: Prairie Analytical Systems
MATRIX: Soil

Analytical Method: EPA Method 5035A/8260B

Contaminant of Concern	Maximum Allowable Concentration (MAC) within a Metropolitan Statistical Area (MSA)		Sample ID	GFR-1	GFR-2	GFR-3	Som-1	Som-2			
			Sample Date	02/17/2014	02/17/2014	02/17/2014	02/17/2014	02/17/2014			
			Depth	2.5-5'	5-7.5'	7.5-10'	0-2.5'	2.5-5'			
	Value	Objective	Soil Type	Silty Clay	Silty Sand/ Silty Clay Mix	Silty Sand	Silty Clay	Silty Clay			
Benzene	**0.03**	**MAC**		< 0.00441	< 0.00432	< 0.00468	< 0.00462	< 0.00554			
Ethylbenzene	**13**	**MAC**		< 0.00441	< 0.00432	< 0.00468	< 0.00462	< 0.00554			
Toluene	**12**	**MAC**		0.00538	< 0.00432	< 0.00468	< 0.00462	0.00585			
Xylenes (total)	**5.6**	**MAC**		< 0.0132	< 0.0130	< 0.0141	< 0.0139	< 0.0166			

Notes:

Constituents that are not identifed in 35 IAC 1100 Subpart F (MAC Table) are compared to the Metropolitan Statistical Area Background Concentration found in 35 IAC 742 Appendix A, Table H

< = Analyte not detected (i.e. less than RL or MDL)

All data reported in milligrams per kilogram (mg/kg) unless otherwise noted.

NA = This constituent was not analyzed.

NE = No remediation objective established by the IEPA for this constituent.

Bold identifies an exceedence of the referenced objective.

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TABLE 2

Summary of Soil Analytical Results - Soil Characterization Sampling

Polynuclear Aromatic Hydrocarbons (PNAs)

CLIENT: Joel Kennedy Constructing
SITE: FAU 1550: Game Farm Road, Yorkville, Illinois 60560
PROJECT NUMBER: TII3747

SAMPLE DATE: February 17, 2014
LABORATORY: Prairie Analytical Systems
MATRIX: Soil

Analytical Method: EPA Method 5035A/8260B

Contaminant of Concern	Maximum Allowable Concentration (MAC) within a Metropolitan Statistical Area (MSA)		Sample ID	GFR-1	GFR-2	GFR-3	Spm-1	Spm-2			
			Sample Date	02/17/2014	02/17/2014	02/17/2014	02/17/2014	02/17/2014			
			Depth	2.5-5'	5-7.5'	7.5-10'	0-2.5'	2.5-5'			
	Value	Objective	Soil Type	Silty Clay	Silty Sand/ Silty Clay Mix	Silty Sand	Silty Clay	Silty Clay			
Acenaphthene	**570**	**MAC**		< 0.388	< 0.409	< 0.415	< 0.408	< 0.362			
Acenaphthylene	**85**	**MAC**		< 0.388	< 0.409	< 0.415	< 0.408	< 0.362			
Anthracene	**12000**	**MAC**		< 0.388	< 0.409	< 0.415	< 0.408	< 0.362			
Benzo(a)anthracene	**1.8**	**MAC**		< 0.388	< 0.409	< 0.415	< 0.408	< 0.362			
Benzo(b)fluoranthene	**2.1**	**MAC**		< 0.388	< 0.409	< 0.415	< 0.408	< 0.362			
Benzo(k)fluoranthene	**9**	**MAC**		< 0.388	< 0.409	< 0.415	< 0.408	< 0.362			
Benzo(g,h,i)perylene	**1.7**	**Metro Background**		< 0.388	< 0.409	< 0.415	< 0.408	< 0.362			
Benzo(a)pyrene	**2.1**	**MAC**		< 0.0699	< 0.0737	< 0.0747	< 0.0736	< 0.0651			
Chrysene	**88**	**MAC**		< 0.388	< 0.409	< 0.415	< 0.408	< 0.362			
Dibenzo(a,h)anthracene	**0.42**	**MAC**		< 0.0699	< 0.0737	< 0.0747	< 0.0736	< 0.0651			
Fluoranthene	**3,100**	**MAC**		< 0.388	< 0.409	< 0.415	< 0.408	< 0.362			
Fluorene	**560**	**MAC**		< 0.388	< 0.409	< 0.415	< 0.408	< 0.362			
Indeno(1,2,3-cd)pyrene	**1.6**	**MAC**		< 0.388	< 0.409	< 0.415	< 0.408	< 0.362			
Naphthalene	**1.8**	**MAC**		< 0.388	< 0.409	< 0.415	< 0.408	< 0.362			
Phenanthrene	**2.5**	**Metro Background**		< 0.388	< 0.409	< 0.415	< 0.408	< 0.362			
Pyrene	**2,300**	**MAC**		< 0.388	< 0.409	< 0.415	< 0.408	< 0.362			

Notes:
Constituents that are not identified in 35 IAC 1100 Subpart F (MAC Table) are compared to the Metropolitan Statistical Area Background Concentration found in 35 IAC 742 Appendix A, Table H
< = Analyte not detected (i.e. less than RL or MDL)
All data reported in milligrams per kilogram (mg/kg) unless otherwise noted.
NA = This constituent was not analyzed.
NE = No remediation objective established by the IEPA for this constituent.
Bold identifies an exceedence of the referenced objective.

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TABLE 3

Summary of Soil Analytical Results - Soil Characterization Sampling

Resource Conservation Recovery Act (RCRA) Metals

CLIENT: Engineering Enterprises
SITE: Game Farm/Somonauk: Yorkville
PROJECT NUMBER: TII3747

SAMPLE DATE: February 17, 2014
LABORATORY: Prairie Analytical Systems
MATRIX: Soil

Analytical Method: EPA Method 6020

Contaminant of Concern	Maximum Allowable Concentration (MAC) within a Metropolitan Statistical Area (MSA)		Sample ID	GFR-1	GFR-2	GFR-3	Som-1	Som-2			
			Sample Date	02/17/2014	02/17/2014	02/17/2014	02/17/2014	02/17/2014			
			pH	8.2	7.6	8.2	7.4	8.3			
			6.25 < pH < 9.0	Yes	Yes	Yes	Yes	Yes			
			Depth	2.5-5'	5-7.5'	7.5-10'	0-2.5'	2.5-5'			
	Value	Objective	Soil Type	Silty Clay	Silty Sand/ Silty Clay Mix	Silty Sand	Silty Clay	Silty Clay			
Arsenic	**13**	**MAC**		3.18	11.7	5.38	10.8	5.59			
Barium	**1,500**	**MAC**		111	112	60.9	68.6	61.8			
Cadmium	**5.2**	**MAC**		< 0.292	0.608	0.546	0.613	0.428			
Chromium	**21**	**MAC**		5.45	20.6	12.8	18.7	9.43			
Lead	**107**	**MAC**		2.85	14.1	13.8	13.0	10.9			
Mercury	**0.89**	**MAC**		< 0.0936	< 0.100	< 0.0963	< 0.0949	< 0.0860			
Selenium	**1.3**	**MAC**		< 0.585	< 0.627	< 0.602	< 0.593	< 0.538			
Silver	**4.4**	**MAC**		< 0.585	< 0.627	< 0.602	< 0.593	< 0.538			

Notes:
Constituents that are not identified in 35 IAC 1100 Subpart F (MAC Table) are compared to the Metropolitan Statistical Area Background Concentration found in 35 IAC 742 Appendix A, Table H
< = Analyte not detected (i.e. less than RL or MDL)
All data reported in milligrams per kilogram (mg/kg) unless otherwise noted.
NA = This constituent was not analyzed.
NE = No remediation objective established by the IEPA for this constituent.
Bold identifies an exceedence of the referenced objective.

TRUE NORTH CONSULTANTS

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Prairie Analytical Systems, INCORPORATED

Monday, February 24, 2014

Marjory McMahon
True North Consultants
1240 Iroquois Avenue, Suite 210
Naperville, IL 60563
TEL: (630) 717-2880
FAX: (630) 689-5881

RE: Game Farm/Somonauk: Yorkville PAS WO: 14B0220

Prairie Analytical Systems, Inc. received 5 sample(s) on 2/17/2014 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: True North Consultants
Project: Game Farm/Somonauk: Yorkville **Lab Order:** 14B0220
Client Sample ID: GFR-1 **Lab ID:** 14B0220-01
Collection Date: 2/17/14 10:50 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Volatile Organic Compounds by GC-MS									
*Benzene	U	0.00441		mg/Kg dry	1	2/19/14 14:12	2/20/14 14:52	SW 8260B Re	BDP
*Ethylbenzene	U	0.00441		mg/Kg dry	1	2/19/14 14:12	2/20/14 14:52	SW 8260B Re	BDP
***Toluene**	**0.00538**	0.00441		mg/Kg dry	1	2/19/14 14:12	2/20/14 14:52	SW 8260B Re	BDP
*Xylenes (total)	U	0.0132		mg/Kg dry	1	2/19/14 14:12	2/20/14 14:52	SW 8260B Re	BDP
Surrogate: 4-Bromofluorobenzene		*103 %*		*75-120*		2/19/14 14:12	2/20/14 14:52	SW 8260B Re	BDP
Surrogate: 1,2-Dichloroethane-d4		*119 %*	S2	*75-119*		2/19/14 14:12	2/20/14 14:52	SW 8260B Re	BDP
Surrogate: Toluene-d8		*105 %*		*78-114*		2/19/14 14:12	2/20/14 14:52	SW 8260B Re	BDP
Semi-Volatile Organic Compounds by GC-MS									
*Acenaphthene	U	0.388		mg/Kg dry	1	2/19/14 9:38	2/21/14 13:58	SW 8270C	AJD
*Acenaphthylene	U	0.388		mg/Kg dry	1	2/19/14 9:38	2/21/14 13:58	SW 8270C	AJD
*Anthracene	U	0.388		mg/Kg dry	1	2/19/14 9:38	2/21/14 13:58	SW 8270C	AJD
*Benzo(a)anthracene	U	0.388		mg/Kg dry	1	2/19/14 9:38	2/21/14 13:58	SW 8270C	AJD
*Benzo(b)fluoranthene	U	0.388		mg/Kg dry	1	2/19/14 9:38	2/21/14 13:58	SW 8270C	AJD
*Benzo(k)fluoranthene	U	0.388		mg/Kg dry	1	2/19/14 9:38	2/21/14 13:58	SW 8270C	AJD
*Benzo(g,h,i)perylene	U	0.388		mg/Kg dry	1	2/19/14 9:38	2/21/14 13:58	SW 8270C	AJD
*Benzo(a)pyrene	U	0.0699		mg/Kg dry	1	2/19/14 9:38	2/21/14 13:58	SW 8270C	AJD
*Chrysene	U	0.388		mg/Kg dry	1	2/19/14 9:38	2/21/14 13:58	SW 8270C	AJD
*Dibenz(a,h)anthracene	U	0.0699		mg/Kg dry	1	2/19/14 9:38	2/21/14 13:58	SW 8270C	AJD
*Fluoranthene	U	0.388		mg/Kg dry	1	2/19/14 9:38	2/21/14 13:58	SW 8270C	AJD
*Fluorene	U	0.388		mg/Kg dry	1	2/19/14 9:38	2/21/14 13:58	SW 8270C	AJD
*Indeno(1,2,3-cd)pyrene	U	0.388		mg/Kg dry	1	2/19/14 9:38	2/21/14 13:58	SW 8270C	AJD
*Naphthalene	U	0.388		mg/Kg dry	1	2/19/14 9:38	2/21/14 13:58	SW 8270C	AJD
*Phenanthrene	U	0.388		mg/Kg dry	1	2/19/14 9:38	2/21/14 13:58	SW 8270C	AJD
*Pyrene	U	0.388		mg/Kg dry	1	2/19/14 9:38	2/21/14 13:58	SW 8270C	AJD
Surrogate: 2-Fluorobiphenyl		*74 %*		*38-122*		2/19/14 9:38	2/21/14 13:58	SW 8270C	AJD
Surrogate: Nitrobenzene-d5		*74 %*		*45-136*		2/19/14 9:38	2/21/14 13:58	SW 8270C	AJD
Surrogate: 4-Terphenyl-d14		*82 %*		*57-122*		2/19/14 9:38	2/21/14 13:58	SW 8270C	AJD
Metals by ICP-MS									
*Mercury	U	0.0936		mg/Kg dry	2	2/20/14 10:05	2/21/14 20:02	SW 6020A	JTC
*Selenium	U	0.585		mg/Kg dry	2	2/20/14 10:05	2/21/14 20:02	SW 6020A	JTC
*Silver	U	0.585		mg/Kg dry	2	2/20/14 10:05	2/21/14 20:02	SW 6020A	JTC
Metals by ICP									
***Arsenic**	**3.18**	0.585		mg/Kg dry	1	2/20/14 10:05	2/20/14 19:29	SW 6010B	CEP
***Barium**	**11.1**	0.292		mg/Kg dry	1	2/20/14 10:05	2/20/14 19:29	SW 6010B	CEP
*Cadmium	U	0.292		mg/Kg dry	1	2/20/14 10:05	2/20/14 19:29	SW 6010B	CEP
***Chromium**	**5.45**	0.292		mg/Kg dry	1	2/20/14 10:05	2/20/14 19:29	SW 6010B	CEP
***Lead**	**2.85**	0.292		mg/Kg dry	1	2/20/14 10:05	2/20/14 19:29	SW 6010B	CEP
Conventional Chemistry Parameters									
*pH	**8.2**	0.010		pH Units	1	2/19/14 9:27	2/19/14 13:57	SW 9045C	CCD
Percent Solids	**85.2**	0.100		%	1	2/18/14 16:10	2/19/14 15:15	ASTM D2974	JLS

LABORATORY RESULTS

Client: True North Consultants
Project: Game Farm/Somonauk: Yorkville **Lab Order:** 14B0220
Client Sample ID: GFR-2 **Lab ID:** 14B0220-02
Collection Date: 2/17/14 11:15 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Volatile Organic Compounds by GC-MS									
*Benzene	U	0.00432		mg/Kg dry	1	2/19/14 14:12	2/20/14 15:52	SW 8260B Re	BDP
*Ethylbenzene	U	0.00432		mg/Kg dry	1	2/19/14 14:12	2/20/14 15:52	SW 8260B Re	BDP
*Toluene	U	0.00432		mg/Kg dry	1	2/19/14 14:12	2/20/14 15:52	SW 8260B Re	BDP
*Xylenes (total)	U	0.0130		mg/Kg dry	1	2/19/14 14:12	2/20/14 15:52	SW 8260B Re	BDP
Surrogate: 4-Bromofluorobenzene		*102 %*		*75-120*		2/19/14 14:12	2/20/14 15:52	SW 8260B Re	BDP
Surrogate: 1,2-Dichloroethane-d4		*114 %*		*75-119*		2/19/14 14:12	2/20/14 15:52	SW 8260B Re	BDP
Surrogate: Toluene-d8		*105 %*		*78-114*		2/19/14 14:12	2/20/14 15:52	SW 8260B Re	BDP
Semi-Volatile Organic Compounds by GC-MS									
*Acenaphthene	U	0.409		mg/Kg dry	1	2/19/14 9:38	2/21/14 14:32	SW 8270C	AJD
*Acenaphthylene	U	0.409		mg/Kg dry	1	2/19/14 9:38	2/21/14 14:32	SW 8270C	AJD
*Anthracene	U	0.409		mg/Kg dry	1	2/19/14 9:38	2/21/14 14:32	SW 8270C	AJD
*Benzo(a)anthracene	U	0.409		mg/Kg dry	1	2/19/14 9:38	2/21/14 14:32	SW 8270C	AJD
*Benzo(b)fluoranthene	U	0.409		mg/Kg dry	1	2/19/14 9:38	2/21/14 14:32	SW 8270C	AJD
*Benzo(k)fluoranthene	U	0.409		mg/Kg dry	1	2/19/14 9:38	2/21/14 14:32	SW 8270C	AJD
*Benzo(g,h,i)perylene	U	0.409		mg/Kg dry	1	2/19/14 9:38	2/21/14 14:32	SW 8270C	AJD
*Benzo(a)pyrene	U	0.0737		mg/Kg dry	1	2/19/14 9:38	2/21/14 14:32	SW 8270C	AJD
*Chrysene	U	0.409		mg/Kg dry	1	2/19/14 9:38	2/21/14 14:32	SW 8270C	AJD
*Dibenz(a,h)anthracene	U	0.0737		mg/Kg dry	1	2/19/14 9:38	2/21/14 14:32	SW 8270C	AJD
*Fluoranthene	U	0.409		mg/Kg dry	1	2/19/14 9:38	2/21/14 14:32	SW 8270C	AJD
*Fluorene	U	0.409		mg/Kg dry	1	2/19/14 9:38	2/21/14 14:32	SW 8270C	AJD
*Indeno(1,2,3-cd)pyrene	U	0.409		mg/Kg dry	1	2/19/14 9:38	2/21/14 14:32	SW 8270C	AJD
*Naphthalene	U	0.409		mg/Kg dry	1	2/19/14 9:38	2/21/14 14:32	SW 8270C	AJD
*Phenanthrene	U	0.409		mg/Kg dry	1	2/19/14 9:38	2/21/14 14:32	SW 8270C	AJD
*Pyrene	U	0.409		mg/Kg dry	1	2/19/14 9:38	2/21/14 14:32	SW 8270C	AJD
Surrogate: 2-Fluorobiphenyl		*65 %*		*38-122*		2/19/14 9:38	2/21/14 14:32	SW 8270C	AJD
Surrogate: Nitrobenzene-d5		*69 %*		*45-136*		2/19/14 9:38	2/21/14 14:32	SW 8270C	AJD
Surrogate: 4-Terphenyl-d14		*78 %*		*57-122*		2/19/14 9:38	2/21/14 14:32	SW 8270C	AJD
Metals by ICP-MS									
*Mercury	U	0.100		mg/Kg dry	2	2/20/14 10:05	2/21/14 21:08	SW 6020A	JTC
*Selenium	U	0.627		mg/Kg dry	2	2/20/14 10:05	2/21/14 21:08	SW 6020A	JTC
*Silver	U	0.627		mg/Kg dry	2	2/20/14 10:05	2/21/14 21:08	SW 6020A	JTC
Metals by ICP									
***Arsenic**	**11.7**	0.627		mg/Kg dry	1	2/20/14 10:05	2/20/14 19:55	SW 6010B	CEP
***Barium**	**112**	3.14		mg/Kg dry	10	2/20/14 10:05	2/21/14 12:30	SW 6010B	CEP
***Cadmium**	**0.608**	0.314		mg/Kg dry	1	2/20/14 10:05	2/20/14 19:55	SW 6010B	CEP
***Chromium**	**20.6**	0.314		mg/Kg dry	1	2/20/14 10:05	2/20/14 19:55	SW 6010B	CEP
***Lead**	**14.1**	0.314		mg/Kg dry	1	2/20/14 10:05	2/20/14 19:55	SW 6010B	CEP
Conventional Chemistry Parameters									
***pH**	**7.6**	0.010		pH Units	1	2/19/14 9:27	2/19/14 13:57	SW 9045C	CCD
Percent Solids	**79.3**	0.100		%	1	2/18/14 16:10	2/19/14 15:15	ASTM D2974	JLS

LABORATORY RESULTS

Client: True North Consultants
Project: Game Farm/Somonauk: Yorkville **Lab Order:** 14B0220
Client Sample ID: GFR-3 **Lab ID:** 14B0220-03
Collection Date: 2/17/14 11:35 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Volatile Organic Compounds by GC-MS									
*Benzene	U	0.00468		mg/Kg dry	1	2/19/14 14:12	2/20/14 16:22	SW 8260B Re	BDP
*Ethylbenzene	U	0.00468		mg/Kg dry	1	2/19/14 14:12	2/20/14 16:22	SW 8260B Re	BDP
*Toluene	U	0.00468		mg/Kg dry	1	2/19/14 14:12	2/20/14 16:22	SW 8260B Re	BDP
*Xylenes (total)	U	0.0141		mg/Kg dry	1	2/19/14 14:12	2/20/14 16:22	SW 8260B Re	BDP
Surrogate: 4-Bromofluorobenzene		*102 %*		*75-120*		2/19/14 14:12	2/20/14 16:22	SW 8260B Re	BDP
Surrogate: 1,2-Dichloroethane-d4		*115 %*		*75-119*		2/19/14 14:12	2/20/14 16:22	SW 8260B Re	BDP
Surrogate: Toluene-d8		*107 %*		*78-114*		2/19/14 14:12	2/20/14 16:22	SW 8260B Re	BDP
Semi-Volatile Organic Compounds by GC-MS									
*Acenaphthene	U	0.415		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:06	SW 8270C	AJD
*Acenaphthylene	U	0.415		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:06	SW 8270C	AJD
*Anthracene	U	0.415		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:06	SW 8270C	AJD
*Benzo(a)anthracene	U	0.415		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:06	SW 8270C	AJD
*Benzo(b)fluoranthene	U	0.415		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:06	SW 8270C	AJD
*Benzo(k)fluoranthene	U	0.415		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:06	SW 8270C	AJD
*Benzo(g,h,i)perylene	U	0.415		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:06	SW 8270C	AJD
*Benzo(a)pyrene	U	0.0747		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:06	SW 8270C	AJD
*Chrysene	U	0.415		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:06	SW 8270C	AJD
*Dibenz(a,h)anthracene	U	0.0747		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:06	SW 8270C	AJD
*Fluoranthene	U	0.415		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:06	SW 8270C	AJD
*Fluorene	U	0.415		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:06	SW 8270C	AJD
*Indeno(1,2,3-cd)pyrene	U	0.415		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:06	SW 8270C	AJD
*Naphthalene	U	0.415		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:06	SW 8270C	AJD
*Phenanthrene	U	0.415		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:06	SW 8270C	AJD
*Pyrene	U	0.415		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:06	SW 8270C	AJD
Surrogate: 2-Fluorobiphenyl		*72 %*		*38-122*		2/19/14 9:38	2/21/14 15:06	SW 8270C	AJD
Surrogate: Nitrobenzene-d5		*76 %*		*45-136*		2/19/14 9:38	2/21/14 15:06	SW 8270C	AJD
Surrogate: 4-Terphenyl-d14		*78 %*		*57-122*		2/19/14 9:38	2/21/14 15:06	SW 8270C	AJD
Metals by ICP-MS									
*Mercury	U	0.0963		mg/Kg dry	2	2/20/14 10:05	2/21/14 21:17	SW 6020A	JTC
*Selenium	U	0.602		mg/Kg dry	2	2/20/14 10:05	2/21/14 21:17	SW 6020A	JTC
*Silver	U	0.602		mg/Kg dry	2	2/20/14 10:05	2/21/14 21:17	SW 6020A	JTC
Metals by ICP									
***Arsenic**	**5.38**	0.602		mg/Kg dry	1	2/20/14 10:05	2/20/14 20:00	SW 6010B	CEP
***Barium**	**60.9**	3.01		mg/Kg dry	10	2/20/14 10:05	2/21/14 12:35	SW 6010B	CEP
***Cadmium**	**0.546**	0.301		mg/Kg dry	1	2/20/14 10:05	2/20/14 20:00	SW 6010B	CEP
***Chromium**	**12.8**	0.301		mg/Kg dry	1	2/20/14 10:05	2/20/14 20:00	SW 6010B	CEP
***Lead**	**13.8**	0.301		mg/Kg dry	1	2/20/14 10:05	2/20/14 20:00	SW 6010B	CEP
Conventional Chemistry Parameters									
***pH**	**8.2**	0.010		pH Units	1	2/19/14 9:27	2/19/14 13:57	SW 9045C	CCD
Percent Solids	**78.7**	0.100		%	1	2/18/14 16:10	2/19/14 15:15	ASTM D2974	JLS

LABORATORY RESULTS

Client: True North Consultants
Project: Game Farm/Somonauk: Yorkville **Lab Order:** 14B0220
Client Sample ID: Som-1 **Lab ID:** 14B0220-04
Collection Date: 2/17/14 12:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Volatile Organic Compounds by GC-MS									
*Benzene	U	0.00462		mg/Kg dry	1	2/19/14 14:12	2/20/14 16:52	SW 8260B Re	BDP
*Ethylbenzene	U	0.00462		mg/Kg dry	1	2/19/14 14:12	2/20/14 16:52	SW 8260B Re	BDP
*Toluene	U	0.00462		mg/Kg dry	1	2/19/14 14:12	2/20/14 16:52	SW 8260B Re	BDP
*Xylenes (total)	U	0.0139		mg/Kg dry	1	2/19/14 14:12	2/20/14 16:52	SW 8260B Re	BDP
Surrogate: 4-Bromofluorobenzene		*102 %*		*75-120*		2/19/14 14:12	2/20/14 16:52	SW 8260B Re	BDP
Surrogate: 1,2-Dichloroethane-d4		*113 %*		*75-119*		2/19/14 14:12	2/20/14 16:52	SW 8260B Re	BDP
Surrogate: Toluene-d8		*107 %*		*78-114*		2/19/14 14:12	2/20/14 16:52	SW 8260B Re	BDP
Semi-Volatile Organic Compounds by GC-MS									
*Acenaphthene	U	0.408		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:40	SW 8270C	AJD
*Acenaphthylene	U	0.408		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:40	SW 8270C	AJD
*Anthracene	U	0.408		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:40	SW 8270C	AJD
*Benzo(a)anthracene	U	0.408		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:40	SW 8270C	AJD
*Benzo(b)fluoranthene	U	0.408		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:40	SW 8270C	AJD
*Benzo(k)fluoranthene	U	0.408		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:40	SW 8270C	AJD
*Benzo(g,h,i)perylene	U	0.408		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:40	SW 8270C	AJD
*Benzo(a)pyrene	U	0.0736		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:40	SW 8270C	AJD
*Chrysene	U	0.408		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:40	SW 8270C	AJD
*Dibenz(a,h)anthracene	U	0.0736		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:40	SW 8270C	AJD
*Fluoranthene	U	0.408		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:40	SW 8270C	AJD
*Fluorene	U	0.408		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:40	SW 8270C	AJD
*Indeno(1,2,3-cd)pyrene	U	0.408		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:40	SW 8270C	AJD
*Naphthalene	U	0.408		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:40	SW 8270C	AJD
*Phenanthrene	U	0.408		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:40	SW 8270C	AJD
*Pyrene	U	0.408		mg/Kg dry	1	2/19/14 9:38	2/21/14 15:40	SW 8270C	AJD
Surrogate: 2-Fluorobiphenyl		*75 %*		*38-122*		2/19/14 9:38	2/21/14 15:40	SW 8270C	AJD
Surrogate: Nitrobenzene-d5		*80 %*		*45-136*		2/19/14 9:38	2/21/14 15:40	SW 8270C	AJD
Surrogate: 4-Terphenyl-d14		*81 %*		*57-122*		2/19/14 9:38	2/21/14 15:40	SW 8270C	AJD
Metals by ICP-MS									
*Mercury	U	0.0949		mg/Kg dry	2	2/20/14 10:05	2/21/14 21:25	SW 6020A	JTC
*Selenium	U	0.593		mg/Kg dry	2	2/20/14 10:05	2/21/14 21:25	SW 6020A	JTC
*Silver	U	0.593		mg/Kg dry	2	2/20/14 10:05	2/21/14 21:25	SW 6020A	JTC
Metals by ICP									
***Arsenic**	**10.8**	0.593		mg/Kg dry	1	2/20/14 10:05	2/20/14 20:05	SW 6010B	CEP
***Barium**	**68.6**	2.97		mg/Kg dry	10	2/20/14 10:05	2/21/14 12:40	SW 6010B	CEP
***Cadmium**	**0.613**	0.297		mg/Kg dry	1	2/20/14 10:05	2/20/14 20:05	SW 6010B	CEP
***Chromium**	**18.7**	0.297		mg/Kg dry	1	2/20/14 10:05	2/20/14 20:05	SW 6010B	CEP
***Lead**	**13.0**	0.297		mg/Kg dry	1	2/20/14 10:05	2/20/14 20:05	SW 6010B	CEP
Conventional Chemistry Parameters									
***pH**	**7.4**	0.010		pH Units	1	2/19/14 9:27	2/19/14 13:57	SW 9045C	CCD
Percent Solids	**81.5**	0.100		%	1	2/18/14 16:10	2/19/14 15:15	ASTM D2974	JLS

LABORATORY RESULTS

Client: True North Consultants
Project: Game Farm/Somonauk: Yorkville **Lab Order:** 14B0220
Client Sample ID: Som-2 **Lab ID:** 14B0220-05
Collection Date: 2/17/14 12:30 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Volatile Organic Compounds by GC-MS									
*Benzene	U	0.00554		mg/Kg dry	1	2/19/14 14:12	2/20/14 17:22	SW 8260B Re	BDP
*Ethylbenzene	U	0.00554		mg/Kg dry	1	2/19/14 14:12	2/20/14 17:22	SW 8260B Re	BDP
***Toluene**	**0.00585**	0.00554		mg/Kg dry	1	2/19/14 14:12	2/20/14 17:22	SW 8260B Re	BDP
*Xylenes (total)	U	0.0166		mg/Kg dry	1	2/19/14 14:12	2/20/14 17:22	SW 8260B Re	BDP
Surrogate: 4-Bromofluorobenzene		*98 %*		*75-120*		2/19/14 14:12	2/20/14 17:22	SW 8260B Re	BDP
Surrogate: 1,2-Dichloroethane-d4		*115 %*		*75-119*		2/19/14 14:12	2/20/14 17:22	SW 8260B Re	BDP
Surrogate: Toluene-d8		*110 %*		*78-114*		2/19/14 14:12	2/20/14 17:22	SW 8260B Re	BDP
Semi-Volatile Organic Compounds by GC-MS									
*Acenaphthene	U	0.362		mg/Kg dry	1	2/19/14 9:38	2/21/14 17:56	SW 8270C	AJD
*Acenaphthylene	U	0.362		mg/Kg dry	1	2/19/14 9:38	2/21/14 17:56	SW 8270C	AJD
*Anthracene	U	0.362		mg/Kg dry	1	2/19/14 9:38	2/21/14 17:56	SW 8270C	AJD
*Benzo(a)anthracene	U	0.362		mg/Kg dry	1	2/19/14 9:38	2/21/14 17:56	SW 8270C	AJD
*Benzo(b)fluoranthene	U	0.362		mg/Kg dry	1	2/19/14 9:38	2/21/14 17:56	SW 8270C	AJD
*Benzo(k)fluoranthene	U	0.362		mg/Kg dry	1	2/19/14 9:38	2/21/14 17:56	SW 8270C	AJD
*Benzo(g,h,i)perylene	U	0.362		mg/Kg dry	1	2/19/14 9:38	2/21/14 17:56	SW 8270C	AJD
*Benzo(a)pyrene	U	0.0651		mg/Kg dry	1	2/19/14 9:38	2/21/14 17:56	SW 8270C	AJD
*Chrysene	U	0.362		mg/Kg dry	1	2/19/14 9:38	2/21/14 17:56	SW 8270C	AJD
*Dibenz(a,h)anthracene	U	0.0651		mg/Kg dry	1	2/19/14 9:38	2/21/14 17:56	SW 8270C	AJD
*Fluoranthene	U	0.362		mg/Kg dry	1	2/19/14 9:38	2/21/14 17:56	SW 8270C	AJD
*Fluorene	U	0.362		mg/Kg dry	1	2/19/14 9:38	2/21/14 17:56	SW 8270C	AJD
*Indeno(1,2,3-cd)pyrene	U	0.362		mg/Kg dry	1	2/19/14 9:38	2/21/14 17:56	SW 8270C	AJD
*Naphthalene	U	0.362		mg/Kg dry	1	2/19/14 9:38	2/21/14 17:56	SW 8270C	AJD
*Phenanthrene	U	0.362		mg/Kg dry	1	2/19/14 9:38	2/21/14 17:56	SW 8270C	AJD
*Pyrene	U	0.362		mg/Kg dry	1	2/19/14 9:38	2/21/14 17:56	SW 8270C	AJD
Surrogate: 2-Fluorobiphenyl		*76 %*		*38-122*		2/19/14 9:38	2/21/14 17:56	SW 8270C	AJD
Surrogate: Nitrobenzene-d5		*79 %*		*45-136*		2/19/14 9:38	2/21/14 17:56	SW 8270C	AJD
Surrogate: 4-Terphenyl-d14		*77 %*		*57-122*		2/19/14 9:38	2/21/14 17:56	SW 8270C	AJD
Metals by ICP-MS									
*Mercury	U	0.0860		mg/Kg dry	2	2/20/14 10:05	2/21/14 21:34	SW 6020A	JTC
*Selenium	U	0.538		mg/Kg dry	2	2/20/14 10:05	2/21/14 21:34	SW 6020A	JTC
*Silver	U	0.538		mg/Kg dry	2	2/20/14 10:05	2/21/14 21:34	SW 6020A	JTC
Metals by ICP									
***Arsenic**	**5.59**	0.538		mg/Kg dry	1	2/20/14 10:05	2/20/14 20:10	SW 6010B	CEP
***Barium**	**61.8**	2.69		mg/Kg dry	10	2/20/14 10:05	2/21/14 12:45	SW 6010B	CEP
***Cadmium**	**0.428**	0.269		mg/Kg dry	1	2/20/14 10:05	2/20/14 20:10	SW 6010B	CEP
***Chromium**	**9.43**	0.269		mg/Kg dry	1	2/20/14 10:05	2/20/14 20:10	SW 6010B	CEP
***Lead**	**10.9**	0.269		mg/Kg dry	1	2/20/14 10:05	2/20/14 20:10	SW 6010B	CEP
Conventional Chemistry Parameters									
***pH**	**8.3**	0.010		pH Units	1	2/19/14 9:27	2/19/14 13:57	SW 9045C	CCD
Percent Solids	**88.7**	0.100		%	1	2/18/14 16:10	2/19/14 15:15	ASTM D2974	JLS

LABORATORY RESULTS

Client: True North Consultants
Project: Game Farm/Somonauk: Yorkville **Lab Order:** 14B0220

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 X000688 - SW 5035A VOA										
Blank (X000688-BLK1)				Prepared: 02/19/2014 Analyzed: 02/20/2014						
Benzene	U	0.00500	mg/Kg wet							
Ethylbenzene	U	0.00500	mg/Kg wet							
Toluene	U	0.00500	mg/Kg wet							
Xylenes (total)	U	0.0150	mg/Kg wet							
Surrogate: 4-Bromofluorobenzene	*0.0500*		*mg/Kg wet*	*0.050000*		*100*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*0.0510*		*mg/Kg wet*	*0.050000*		*102*	*75-119*			
Surrogate: Toluene-d8	*0.0526*		*mg/Kg wet*	*0.050000*		*105*	*78-114*			
LCS (X000688-BS1)				Prepared: 02/19/2014 Analyzed: 02/20/2014						
Benzene	0.0473	0.00500	mg/Kg wet	0.050000		95	80-130			
Ethylbenzene	0.0505	0.00500	mg/Kg wet	0.050000		101	77-132			
Toluene	0.0506	0.00500	mg/Kg wet	0.050000		101	80-130			
Xylenes (total)	0.156	0.0150	mg/Kg wet	0.15000		104	80-130			
Surrogate: 4-Bromofluorobenzene	*0.0501*		*mg/Kg wet*	*0.050000*		*100*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*0.0526*		*mg/Kg wet*	*0.050000*		*105*	*75-119*			
Surrogate: Toluene-d8	*0.0512*		*mg/Kg wet*	*0.050000*		*102*	*78-114*			
Matrix Spike (X000688-MS1)	**Source: 14B0209-01**			Prepared: 02/19/2014 Analyzed: 02/20/2014						
Benzene	0.0364	0.00684	mg/Kg dry	0.068382	ND	53	50-140			
Ethylbenzene	0.0275	0.00684	mg/Kg dry	0.068382	ND	40	50-140			S
Toluene	0.0331	0.00684	mg/Kg dry	0.068382	ND	48	55-135			S
Xylenes (total)	0.0772	0.0205	mg/Kg dry	0.20515	ND	38	60-130			S
Surrogate: 4-Bromofluorobenzene	*0.0626*		*mg/Kg dry*	*0.068382*		*92*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*0.0741*		*mg/Kg dry*	*0.068382*		*108*	*75-119*			
Surrogate: Toluene-d8	*0.0760*		*mg/Kg dry*	*0.068382*		*111*	*78-114*			
Matrix Spike Dup (X000688-MSD1)	**Source: 14B0209-01**			Prepared: 02/19/2014 Analyzed: 02/20/2014						
Benzene	0.0453	0.00744	mg/Kg dry	0.074378	ND	61	50-140	22	20	S
Ethylbenzene	0.0358	0.00744	mg/Kg dry	0.074378	ND	48	50-140	26	20	S
Toluene	0.0418	0.00744	mg/Kg dry	0.074378	ND	56	55-135	23	20	S
Xylenes (total)	0.101	0.0223	mg/Kg dry	0.22313	ND	45	60-130	27	20	S
Surrogate: 4-Bromofluorobenzene	*0.0682*		*mg/Kg dry*	*0.074378*		*92*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*0.0792*		*mg/Kg dry*	*0.074378*		*107*	*75-119*			
Surrogate: Toluene-d8	*0.0814*		*mg/Kg dry*	*0.074378*		*110*	*78-114*			

LABORATORY RESULTS

Client: True North Consultants
Project: Game Farm/Somonauk: Yorkville **Lab Order:** 14B0220

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 X000678 - SW 3550B PNA										
Blank (X000678-BLK1)				Prepared: 02/19/2014 Analyzed: 02/21/2014						
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							
Chrysene	U	0.333	mg/Kg wet							
Dibenz(a,h)anthracene	U	0.0600	mg/Kg wet							
Fluoranthene	U	0.333	mg/Kg wet							
Fluorene	U	0.333	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	U	0.333	mg/Kg wet							
Naphthalene	U	0.333	mg/Kg wet							
Phenanthrene	U	0.333	mg/Kg wet							
Pyrene	U	0.333	mg/Kg wet							
Surrogate: 2-Fluorobiphenyl	*0.570*		*mg/Kg wet*	*0.66667*		*86*	*38-122*			
Surrogate: Nitrobenzene-d5	*0.570*		*mg/Kg wet*	*0.66667*		*86*	*45-136*			
Surrogate: 4-Terphenyl-d14	*0.572*		*mg/Kg wet*	*0.66667*		*86*	*57-122*			
LCS (X000678-BS1)				Prepared: 02/19/2014 Analyzed: 02/21/2014						
Acenaphthene	0.597	0.333	mg/Kg wet	0.66667		90	50-135			
Acenaphthylene	0.580	0.333	mg/Kg wet	0.66667		87	51-134			
Anthracene	0.570	0.333	mg/Kg wet	0.66667		86	52-117			
Benzo(a)anthracene	0.503	0.333	mg/Kg wet	0.66667		75	50-126			
Benzo(b)fluoranthene	0.546	0.333	mg/Kg wet	0.66667		82	57-134			
Benzo(k)fluoranthene	0.631	0.333	mg/Kg wet	0.66667		95	59-168			
Benzo(g,h,i)perylene	0.609	0.333	mg/Kg wet	0.66667		91	56-147			
Benzo(a)pyrene	0.489	0.0600	mg/Kg wet	0.66667		73	41-133			
Chrysene	0.642	0.333	mg/Kg wet	0.66667		96	52-127			
Dibenz(a,h)anthracene	0.624	0.0600	mg/Kg wet	0.66667		94	60-170			
Fluoranthene	0.594	0.333	mg/Kg wet	0.66667		89	57-130			
Fluorene	0.571	0.333	mg/Kg wet	0.66667		86	47-154			
Indeno(1,2,3-cd)pyrene	0.612	0.333	mg/Kg wet	0.66667		92	59-132			
Naphthalene	0.576	0.333	mg/Kg wet	0.66667		86	40-135			
Phenanthrene	0.613	0.333	mg/Kg wet	0.66667		92	54-126			
Pyrene	0.586	0.333	mg/Kg wet	0.66667		88	57-132			
Surrogate: 2-Fluorobiphenyl	*0.566*		*mg/Kg wet*	*0.66667*		*85*	*38-122*			
Surrogate: Nitrobenzene-d5	*0.579*		*mg/Kg wet*	*0.66667*		*87*	*45-136*			
Surrogate: 4-Terphenyl-d14	*0.580*		*mg/Kg wet*	*0.66667*		*87*	*57-122*			

LABORATORY RESULTS

Client: True North Consultants
Project: Game Farm/Somonauk: Yorkville **Lab Order:** 14B0220

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 X000678 - SW 3550B PNA										
Matrix Spike (X000678-MS1)	**Source: 14B0220-01**			Prepared: 02/19/2014 Analyzed: 02/21/2014						
Acenaphthene	0.611	0.387	mg/Kg dry	0.77429	ND	79	50-135			
Acenaphthylene	0.586	0.387	mg/Kg dry	0.77429	ND	76	51-134			
Anthracene	0.590	0.387	mg/Kg dry	0.77429	ND	76	52-117			
Benzo(a)anthracene	0.528	0.387	mg/Kg dry	0.77429	ND	68	50-126			
Benzo(b)fluoranthene	0.589	0.387	mg/Kg dry	0.77429	ND	76	57-134			
Benzo(k)fluoranthene	0.628	0.387	mg/Kg dry	0.77429	ND	81	59-168			
Benzo(g,h,i)perylene	0.533	0.387	mg/Kg dry	0.77429	ND	69	56-147			
Benzo(a)pyrene	0.505	0.0697	mg/Kg dry	0.77429	ND	65	41-133			
Chrysene	0.655	0.387	mg/Kg dry	0.77429	ND	85	52-127			
Dibenz(a,h)anthracene	0.589	0.0697	mg/Kg dry	0.77429	ND	76	60-170			
Fluoranthene	0.615	0.387	mg/Kg dry	0.77429	ND	79	57-130			
Fluorene	0.601	0.387	mg/Kg dry	0.77429	ND	78	47-154			
Indeno(1,2,3-cd)pyrene	0.561	0.387	mg/Kg dry	0.77429	ND	72	59-132			
Naphthalene	0.576	0.387	mg/Kg dry	0.77429	ND	74	40-135			
Phenanthrene	0.631	0.387	mg/Kg dry	0.77429	ND	81	54-126			
Pyrene	0.604	0.387	mg/Kg dry	0.77429	ND	78	57-132			
Surrogate: 2-Fluorobiphenyl	*0.561*		*mg/Kg dry*	*0.77429*		*72*	*38-122*			
Surrogate: Nitrobenzene-d5	*0.594*		*mg/Kg dry*	*0.77429*		*77*	*45-136*			
Surrogate: 4-Terphenyl-d14	*0.608*		*mg/Kg dry*	*0.77429*		*78*	*57-122*			
Matrix Spike Dup (X000678-MSD1)	**Source: 14B0220-01**			Prepared: 02/19/2014 Analyzed: 02/21/2014						
Acenaphthene	0.622	0.388	mg/Kg dry	0.77737	ND	80	50-135	2	20	
Acenaphthylene	0.592	0.388	mg/Kg dry	0.77737	ND	76	51-134	1	20	
Anthracene	0.616	0.388	mg/Kg dry	0.77737	ND	79	52-117	4	20	
Benzo(a)anthracene	0.544	0.388	mg/Kg dry	0.77737	ND	70	50-126	3	20	
Benzo(b)fluoranthene	0.595	0.388	mg/Kg dry	0.77737	ND	77	57-134	1	20	
Benzo(k)fluoranthene	0.649	0.388	mg/Kg dry	0.77737	ND	83	59-168	3	20	
Benzo(g,h,i)perylene	0.525	0.388	mg/Kg dry	0.77737	ND	68	56-147	1	20	
Benzo(a)pyrene	0.542	0.0700	mg/Kg dry	0.77737	ND	70	41-133	7	20	
Chrysene	0.688	0.388	mg/Kg dry	0.77737	ND	88	52-127	5	20	
Dibenz(a,h)anthracene	0.580	0.0700	mg/Kg dry	0.77737	ND	75	60-170	2	20	
Fluoranthene	0.632	0.388	mg/Kg dry	0.77737	ND	81	57-130	3	20	
Fluorene	0.606	0.388	mg/Kg dry	0.77737	ND	78	47-154	0.8	20	
Indeno(1,2,3-cd)pyrene	0.539	0.388	mg/Kg dry	0.77737	ND	69	59-132	4	20	
Naphthalene	0.572	0.388	mg/Kg dry	0.77737	ND	74	40-135	0.8	20	
Phenanthrene	0.636	0.388	mg/Kg dry	0.77737	ND	82	54-126	0.8	20	
Pyrene	0.622	0.388	mg/Kg dry	0.77737	ND	80	57-132	3	20	
Surrogate: 2-Fluorobiphenyl	*0.560*		*mg/Kg dry*	*0.77737*		*72*	*38-122*			
Surrogate: Nitrobenzene-d5	*0.591*		*mg/Kg dry*	*0.77737*		*76*	*45-136*			
Surrogate: 4-Terphenyl-d14	*0.623*		*mg/Kg dry*	*0.77737*		*80*	*57-122*			

LABORATORY RESULTS

Client: True North Consultants
Project: Game Farm/Somonauk: Yorkville **Lab Order:** 14B0220

Metals by ICP-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch X000704 - SW 3050B Metals										
Blank (X000704-BLK1)				Prepared & Analyzed: 02/20/2014						
Mercury	U	0.0800	mg/Kg wet							
Selenium	U	0.500	mg/Kg wet							
Silver	U	0.500	mg/Kg wet							
LCS (X000704-BS1)				Prepared & Analyzed: 02/20/2014						
Mercury	0.870	0.0800	mg/Kg wet	1.0000		87	80-120			
Selenium	20.6	0.500	mg/Kg wet	25.000		82	80-120			
Silver	2.20	0.500	mg/Kg wet	2.5000		88	80-120			
Matrix Spike (X000704-MS1)	**Source: 14B0220-01**			Prepared: 02/20/2014 Analyzed: 02/21/2014						
Mercury	0.974	0.0930	mg/Kg dry	1.1630	ND	84	75-125			
Selenium	20.3	0.581	mg/Kg dry	29.074	0.128	70	75-125			S
Silver	2.26	0.581	mg/Kg dry	2.9074	ND	78	75-125			
Matrix Spike Dup (X000704-MSD1)	**Source: 14B0220-01**			Prepared: 02/20/2014 Analyzed: 02/21/2014						
Mercury	0.969	0.0939	mg/Kg dry	1.1734	ND	83	75-125	0.5	20	
Selenium	19.9	0.587	mg/Kg dry	29.336	0.128	68	75-125	2	20	S
Silver	2.22	0.587	mg/Kg dry	2.9336	ND	76	75-125	2	20	

LABORATORY RESULTS

Client: True North Consultants
Project: Game Farm/Somonauk: Yorkville **Lab Order:** 14B0220

Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch X000701 - SW 3050B Metals										
Blank (X000701-BLK1)				Prepared & Analyzed: 02/20/2014						
Arsenic	U	0.500	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							
LCS (X000701-BS1)				Prepared & Analyzed: 02/20/2014						
Arsenic	23.5	0.500	mg/Kg wet	25.000		94	85-115			
Barium	23.1	0.250	mg/Kg wet	25.000		93	85-115			
Cadmium	23.4	0.250	mg/Kg wet	25.000		94	85-115			
Chromium	23.8	0.250	mg/Kg wet	25.000		95	85-115			
Lead	23.5	0.250	mg/Kg wet	25.000		94	85-115			
Matrix Spike (X000701-MS1)	**Source: 14B0220-01**			Prepared & Analyzed: 02/20/2014						
Arsenic	27.3	0.581	mg/Kg dry	29.074	3.18	83	75-125			
Barium	33.4	0.291	mg/Kg dry	29.074	11.1	77	75-125			E
Cadmium	22.6	0.291	mg/Kg dry	29.074	0.259	77	75-125			
Chromium	28.2	0.291	mg/Kg dry	29.074	5.45	78	75-125			
Lead	25.0	0.291	mg/Kg dry	29.074	2.85	76	75-125			
Matrix Spike Dup (X000701-MSD1)	**Source: 14B0220-01**			Prepared & Analyzed: 02/20/2014						
Arsenic	27.1	0.587	mg/Kg dry	29.336	3.18	81	75-125	0.6	20	
Barium	32.4	0.293	mg/Kg dry	29.336	11.1	73	75-125	3	20	E, S
Cadmium	22.0	0.293	mg/Kg dry	29.336	0.259	74	75-125	2	20	S
Chromium	27.5	0.293	mg/Kg dry	29.336	5.45	75	75-125	3	20	
Lead	24.7	0.293	mg/Kg dry	29.336	2.85	75	75-125	1	20	S

LABORATORY RESULTS

Client: True North Consultants
Project: Game Farm/Somonauk: Yorkville **Lab Order:** 14B0220

Conventional Chemistry Parameters - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch X000670 - ASTM D2974 Solids										
Blank (X000670-BLK1)				Prepared: 02/18/2014 Analyzed: 02/19/2014						
Percent Solids	U	0.100	%							
Duplicate (X000670-DUP1)		**Source: 14B0220-05**		Prepared: 02/18/2014 Analyzed: 02/19/2014						
Percent Solids	87.4	0.100	%		88.7			1	20	
Batch X000677 - SW 9045C pH										
Duplicate (X000677-DUP1)		**Source: 14B0220-05**		Prepared & Analyzed: 02/19/2014						
pH	8.2	0.010	pH Units		8.3			0.4	5	

LABORATORY RESULTS

Client: True North Consultants
Project: Game Farm/Somonauk: Yorkville **Lab Order:** 14B0220

Notes and Definitions

S2	Surrogate recovery exceeds the acceptance criteria due to matrix interference, but there is no observable concentration in associated analyte(s).
S	Spike recovery outside acceptance limits.
E	Result above quantitation range.
*	NELAC certified compound.
U	Analyte not detected (i.e. less than RL or MDL).

Chain of Custody Record

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Prairie Analytical Systems, INCORPORATED
www.prairieanalytical.com

Client	True North Consultants
Address	1240 Iroquois Avenue, Suite 206
City, State, Zip Code	Naperville, Illinois 60563
Phone / Facsimile	630.717.2880/630.689.5881
Project Name / Number	Game Farm/Somonauk
Project Location	Yorkville
P.O. # or Invoice To	T113747
Contact Person	Marjory McMahon

Reporting: TACO ■ Resid ☐ Ind/Comm; CALM ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F; RISC ☐ Resid ☐ Indust

Sample Description	Sampling Date	Sampling Time	Matrix Code	Preserv Code	No. of Containers	Sample Type Comp	Sample Type Grab	PNAs	RCRA Metals	pH	BETX					Sampler Comments
GFR-1	Feb 17 2014	1050	S	5	4		x	x	x	x	x					
GFR-2	Feb 17 2014	1115	S	5	4		x	x	x	x	x					
GFR-3	Feb 17 2014	1135	S	5	4		x	x	x	x	x					
Som-1	Feb 17 2014	1200	S	5	4		x	x	x	x	x					
Som-2	Feb 17 2014	1230	S	5	4		x	x	x	x	x					

Matrix Code	A - Aqueous	DW - Drinking Water	GW - Ground Water	NA - Non-Aqueous Liquid	S - Solid	O - Oil	X - Other (Specify)
Preserv Code	0 - None	1 - HCl	2 - H2SO4	3 - HNO3	4 - NaOH	5 - 5035 Kit	X - Other (Specify)

Relinquished By	Date	Time	Received By	Date	Time	Method of Shipment
MM	2/17/14	1500	MC	2/17/14	1500	Hand
MC	2/17/14	1730	[signature]	2/18/14	0950	UPS
		FP 2/19/14				

Special Instructions:

Turnaround Time: Standard ■ Rush ☐ Date Required:

QC Level: ☐ 1 ☐ 2 ■ 3 ☐ 4

On wet ice? (Yes) No

Temperature (°C): 2.0

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PAS COC Rev. 3

Page 1 of 1

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

STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY
NELAP - RECOGNIZED
ENVIRONMENTAL LABORATORY ACCREDITATION

is hereby granted to

PRAIRIE ANALYTICAL SYSTEMS, INCORPORATED

1210 CAPITAL AIRPORT DRIVE

SPRINGFIELD, IL 62707-8413

NELAP ACCREDITED

ACCREDITATION NUMBER #100323

According to the Illinois Administrative Code, Title 35, Subtitle A, Chapter II, Part 186, ACCREDITATION OF LABORATORIES FOR DRINKING WATER, WASTEWATER AND HAZARDOUS WASTES ANALYSIS, the State of Illinois formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed below.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part 186 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part 186. Please contact the Illinois EPA Environmental Laboratory Accreditation Program (IL ELAP) to verify the laboratory's scope of accreditation and accreditation status. Accreditation by the State of Illinois is not an endorsement or a guarantee of validity of the data generated by the laboratory.

Celeste M. Crowley
Acting Manager
Environmental Laboratory Accreditation Program

John South
Accreditation Officer
Environmental Laboratory Accreditation Program

Certificate No.: 003353
Expiration Date: 01/31/2015
Issued On: 01/30/2014

State of Illinois
Environmental Protection Agency

Certificate No.: 003353

Awards the Certificate of Approval to:

Prairie Analytical Systems, Incorporated
1210 Capital Airport Drive
Springfield, IL 62707-8413

According to the Illinois Administrative Code, Title 35, Subtitle A, Chapter II, Part 186, ACCREDITATION OF LABORATORIES FOR DRINKING WATER, WASTEWATER AND HAZARDOUS WASTES ANALYSIS, the State of Illinois formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed below.

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FOT Name: Drinking Water, Inorganic

Method: SM2130B,18Ed

Matrix Type: Potable Water

Turbidity

Method: SM2320B,18Ed

Matrix Type: Potable Water

Alkalinity

Method: SM2340B,18Ed

Matrix Type: Potable Water

Hardness

Method: SM4110B,18Ed

Matrix Type: Potable Water

Chloride
Fluoride
Nitrate
Nitrite
Orthophosphate
Sulfate

Method: SM4500CN-CE,18Ed

Matrix Type: Potable Water

Cyanide

Method: SM4500H-B,18Ed

Matrix Type: Potable Water

Hydrogen ion (pH)

Method: SM5310C,20Ed

Matrix Type: Potable Water

Total Organic Carbon (TOC)

Method: USEPA150.1

Matrix Type: Potable Water

Hydrogen ion (pH)

Method: USEPA180.1

Matrix Type: Potable Water

Turbidity

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FOT Name: Drinking Water, Inorganic

Method: USEPA200.7R4.4

Matrix Type: Potable Water

Aluminum	Arsenic
Barium	Beryllium
Cadmium	Calcium
Chromium	Copper
Hardness (calc.)	Iron
Magnesium	Manganese
Nickel	Silver
Sodium	Zinc

Method: USEPA200.8R5.4

Matrix Type: Potable Water

Aluminum	Antimony
Arsenic	Barium
Beryllium	Cadmium
Chromium	Copper
Lead	Manganese
Mercury	Molybdenum
Nickel	Selenium
Silver	Thallium
Zinc	

Method: USEPA300.0R2.1

Matrix Type: Potable Water

Chloride	Fluoride
Nitrate	Nitrite
Orthophosphate	Sulfate

FOT Name: Drinking Water, Organic

Method: USEPA524.2R4.1

Matrix Type: Potable Water

1,1,1-Trichloroethane	1,1,2-Trichloroethane
1,1-Dichloroethene	1,2,4-Trichlorobenzene
1,2-Dichlorobenzene	1,2-Dichloroethane
1,2-Dichloropropane	1,4-Dichlorobenzene
Benzene	Bromodichloromethane
Carbon tetrachloride	Chlorobenzene

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FOT Name: Drinking Water, Organic

Method: USEPA524.2R4.1

Matrix Type: Potable Water

Chloroform
Dichloromethane (Methylene chloride)
Methyl tert-butyl ether (MTBE)
Styrene
Toluene
trans-1,2-Dichloroethene
Vinyl chloride
Chlorodibromomethane
cis-1,2-Dichloroethene
Ethylbenzene
Naphthalene
Tetrachloroethene
Total trihalomethanes
Trichloroethylene
Xylenes (total)

Method: USEPA525.2R2.0

Matrix Type: Potable Water

4,4'-DDT
Aldrin
Benzo(a)pyrene
Di (2-ethylhexyl) phthalate
Endrin
Heptachlor
Hexachlorobenzene
Methoxychlor
Alachlor
Atrazine
Di (2-ethylhexyl) adipate
Dieldrin
gamma-BHC (Lindane)
Heptachlor epoxide
Hexachlorocyclopentadiene
Simazine

FOT Name: Non Potable Water, Inorganic

Method: SM2130B,2001

Matrix Type: NPW/SCM

Turbidity

Method: SM2310B,1997

Matrix Type: NPW/SCM

Acidity

Method: SM2320B,1997

Matrix Type: NPW

Alkalinity

Method: SM2340B,1997

Matrix Type: NPW

Hardness

Method: SM2540B,1997

Matrix Type: NPW

Residue (Total)

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FOT Name: Non Potable Water, Inorganic **Method: SM2540C,1997**

Matrix Type: NPW

Residue (TDS)

Method: SM2540D,1997

Matrix Type: NPW

Residue (TSS)

Method: SM3500Cr-B,2009

Matrix Type: NPW/SCM

Chromium VI

Method: SM4110B,2000

Matrix Type: NPW/SCM

Bromide
Chloride
Fluoride
Nitrate
Nitrate-Nitrite (as N)
Nitrite
Orthophosphate (as P)
Sulfate

Method: SM4500Cl-G,2000

Matrix Type: NPW

Chlorine, Total Residual

Method: SM4500CN-E,1999

Matrix Type: NPW

Cyanide

Method: SM4500H-B,2000

Matrix Type: NPW

Hydrogen Ion (pH)

Method: SM4500NH3-D,1997

Matrix Type: NPW/SCM

Ammonia
Total Kjeldahl Nitrogen

Method: SM4500O-G,2001

Matrix Type: NPW

Oxygen - Dissolved

Method: SM4500P-E,1999

Matrix Type: NPW

Orthophosphate (as P)
Phosphorus

Method: SM4500S-F,2000

Matrix Type: NPW/SCM

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FOT Name: Non Potable Water, Inorganic

Matrix Type: NPW/SCM

Method: SM5210B,2001

Matrix Type: NPW

Biochemical Oxygen Demand (BOD)

Matrix Type: NPW/SCM

Carbonaceous Biochemical Oxygen Demand (CBOI

Method: SM5220D,1997

Matrix Type: NPW

Chemical Oxygen Demand (COD)

Method: SM5310C,2000

Matrix Type: NPW

Total Organic Carbon (TOC)

Method: USEPA150.2,1982

Matrix Type: NPW/SCM

Hydrogen Ion (pH)

Method: USEPA160.4,1971

Matrix Type: NPW

Residue (Volatile)

Method: USEPA1664A

Matrix Type: NPW

Oil and Grease

Method: USEPA180.1R2.0,1993

Matrix Type: NPW

Turbidity

Method: USEPA200.7,1994

Matrix Type: NPW/SCM

Aluminum
Antimony
Arsenic
Barium
Beryllium
Boron
Cadmium
Calcium
Chromium
Cobalt
Copper
Iron
Lead
Magnesium
Manganese
Molybdenum

Method: SM4500S-F,2000

Sulfide

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FOT Name: Non Potable Water, Inorganic

Method: USEPA200.7,1994

Matrix Type: NPW/SCM

Nickel
Potassium
Selenium
Silver
Sodium
Thallium
Tin
Titanium
Vanadium
Zinc

Method: USEPA200.8,1994

Matrix Type: NPW/SCM

Aluminum
Antimony
Arsenic
Barium
Beryllium
Boron
Cadmium
Calcium
Chromium
Cobalt
Copper
Iron
Lead
Magnesium
Manganese
Molybdenum
Nickel
Potassium
Selenium
Silver
Sodium
Thallium
Tin
Titanium
Vanadium
Zinc

Method: USEPA300.0R2.1,1993

Matrix Type: NPW

Bromide
Chloride
Fluoride
Nitrate
Nitrate-Nitrite (as N)
Nitrite
Orthophosphate (as P)
Sulfate

Method: USEPA410.4R2.0,1993

Matrix Type: NPW

Chemical Oxygen Demand (COD)

Method: USEPA420.1,1978

Matrix Type: NPW

Phenolics

FOT Name: Solid and Chemical Materials, Inorganic

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FOT Name: Solid and Chemical Materials, Inorganic **Method:** 1010A

Matrix Type: NPW/SCM

Ignitability

Method: 1311

Matrix Type: SCM

TCLP (Organic and Inorganic)

Method: 1312

Matrix Type: SCM

Synthetic Precipitation Leaching Procedure

Method: 6010B

Matrix Type: NPW/SCM

Aluminum	Antimony
Arsenic	Barium
Beryllium	Boron
Cadmium	Calcium
Chromium	Cobalt
Copper	Iron
Lead	Magnesium
Manganese	Molybdenum
Nickel	Potassium
Selenium	Silver
Sodium	Strontium
Thallium	Tin
Titanium	Vanadium
Zinc	

Method: 6020A

Matrix Type: NPW/SCM

Aluminum	Antimony
Arsenic	Barium
Beryllium	Boron
Cadmium	Calcium
Chromium	Cobalt
Copper	Iron
Lead	Magnesium
Manganese	Mercury

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FOT Name: Solid and Chemical Materials, Inorganic

Matrix Type: NPW/SCM

Nickel
Selenium
Sodium
Vanadium

Method: 7196A

Matrix Type: NPW/SCM

Chromium VI

Method: 7471B

Matrix Type: SCM

Mercury

Method: 9014

Matrix Type: NPW/SCM

Cyanide

Method: 9034

Matrix Type: NPW/SCM

Sulfides

Method: 9040B

Matrix Type: NPW

Hydrogen Ion (pH)

Method: 9040C

Matrix Type: NPW

Hydrogen Ion (pH)

Method: 9045C

Matrix Type: SCM

Hydrogen Ion (pH)

Method: 9045D

Matrix Type: SCM

Hydrogen Ion (pH)

Method: 9056A

Matrix Type: NPW/SCM

Bromide
Fluoride
Nitrite
Chloride
Nitrate
Phosphate

Method: 6020A

Molybdenum
Potassium
Silver
Thallium
Zinc

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FOT Name: Solid and Chemical Materials, Inorganic

Matrix Type: NPW/SCM

Method: 9060A

Total Organic Carbon (TOC)

Method: 9065

Phenolics

Method: 9081

Cation-exchange Capacity

Method: 9095A

Paint Filter

Method: 9056A

Sulfate

FOT Name: Solid and Chemical Materials, Organic

Method: 8015B

Matrix Type: NPW/SCM

Diesel range organics (DRO)

Gasoline range organics (GRO)

Method: 8081A

Matrix Type: NPW/SCM

4,4'-DDD	4,4'-DDE
4,4'-DDT	Aldrin
alpha-BHC	alpha-Chlordane
beta-BHC	Chlordane - not otherwise specified
delta-BHC	Dieldrin
Endosulfan I	Endosulfan II
Endosulfan sulfate	Endrin
Endrin aldehyde	Endrin ketone
gamma-BHC (Lindane)	gamma-Chlordane
Heptachlor	Heptachlor epoxide
Methoxychlor	Toxaphene

Method: 8082

Matrix Type: NPW/SCM

PCB-1016	PCB-1221
PCB-1232	PCB-1242

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FOT Name: Solid and Chemical Materials, Organic

Matrix Type: NPW/SCM

PCB-1254

Method: 8260B

Matrix Type: NPW/SCM

1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
1,1-Dichloroethane
1,1-Dichloropropene
1,2,3-Trichloropropane
1,2,4-Trimethylbenzene
1,2-Dibromoethane (EDB)
1,2-Dichloroethane
1,3,5-Trimethylbenzene
1,3-Dichloropropane
2,2-Dichloropropane
2-Chloroethyl vinyl ether
2-Hexanone
4-Methyl-2-pentanone (Methyl isobutyl ketone, MIBI
Acetonitrile
Acrylonitrile
Bromobenzene
Bromodichloromethane
Bromomethane
Carbon tetrachloride
Chlorodibromomethane (Dibromochloromethane)
Chloroform
cis-1,2-Dichloroethene
Dibromomethane
Dichloromethane (Methylene chloride)
Hexachlorobutadiene
Methyl-t-butyl ether
n-Butylbenzene
p-Isopropyltoluene
Styrene
Tetrachloroethene

Method: 8082

PCB-1248
PCB-1260

1,1,1-Trichloroethane
1,1,2-Trichloroethane
1,1-Dichloroethene
1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-chloropropane (DBCP)
1,2-Dichlorobenzene
1,2-Dichloropropane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2-Butanone (Methyl ethyl ketone, MEK)
2-Chlorotoluene
4-Chlorotoluene
Acetone
Acrolein (Propenal)
Benzene
Bromochloromethane
Bromoform
Carbon disulfide
Chlorobenzene
Chloroethane
Chloromethane
cis-1,3-Dichloropropene
Dichlorodifluoromethane
Ethylbenzene
Isopropylbenzene
Naphthalene
n-Propylbenzene
sec-Butylbenzene
tert-Butylbenzene
Toluene

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Springfield, IL 62707-8413

FOT Name: Solid and Chemical Materials, Organic

Method: 8260B

Matrix Type: NPW/SCM

- trans-1,3-Dichloropropene
- Trichlorofluoromethane
- Vinyl chloride
- trans-1,2-Dichloroethene
- Trichloroethene
- Vinyl acetate
- Xylenes (Total)

Method: 8270C

Matrix Type: NPW/SCM

- 1,2,4-Trichlorobenzene
- 1,3-Dichlorobenzene
- 2,4,5-Trichlorophenol
- 2,4-Dichlorophenol
- 2,4-Dinitrophenol
- 2,6-Dinitrotoluene (2,6-DNT)
- 2-Chlorophenol
- 2-Methylphenol (o-Cresol)
- 2-Nitrophenol
- 3-Nitroaniline
- 4-Bromophenyl phenyl ether
- 4-Chloroaniline
- 4-Methylphenol (p-Cresol)
- 4-Nitrophenol
- Acenaphthylene
- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- Bis(2-chloroethyl) ether
- Bis(2-ethylhexyl) phthalate
- Carbazole
- Chlorobenzilate
- Dibenz(a,h)anthracene
- Diethyl phthalate
- Di-n-butyl phthalate
- Fluoranthene
- Hexachlorobenzene
- Hexachlorocyclopentadiene
- Indeno(1,2,3-cd) pyrene
- 1,2-Dichlorobenzene
- 1,4-Dichlorobenzene
- 2,4,6-Trichlorophenol
- 2,4-Dimethylphenol
- 2,4-Dinitrotoluene (2,4-DNT)
- 2-Chloronaphthalene
- 2-Methylnaphthalene
- 2-Nitroaniline
- 3,3'-Dichlorobenzidine
- 4,6-Dinitro-2-methylphenol
- 4-Chloro-3-methylphenol
- 4-Chlorophenyl phenyl ether
- 4-Nitroaniline
- Acenaphthene
- Anthracene
- Benzo(a)pyrene
- Benzo(g,h,i)perlyene
- Bis(2-chloroethoxy) methane
- Bis(2-chloroisopropyl) ether
- Butyl benzyl phthalate
- Carbofuran (Furaden)
- Chrysene
- Dibenzofuran
- Dimethyl phthalate
- Di-n-octyl phthalate
- Fluorene
- Hexachlorobutadiene
- Hexachloroethane
- Isophorone

Awards the Certificate of Approval

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FOT Name: Solid and Chemical Materials, Organic

Matrix Type: NPW/SCM

Method: 8270C

Nitrobenzene	Naphthalene
N-Nitrosodi-n-propylamine	N-Nitrosodimethylamine
o-Cresol (2-Methylphenol)	N-Nitrosodiphenylamine
Pentachlorophenol	p-Cresol (4-Methylphenol)
Phenol	Phenanthrene
	Pyrene

Method: 8270C Mod_Farm Chemicals

Matrix Type: NPW/SCM

Acetochlor	Alachlor
Atrazine	Butylate
Chlorpyrifos	Cyanazine
EPTC	Metolachlor
Metribuzin	Pendimethalin
Prometon	Simazine
Terbufos	Trifluralin

Method: 8321B

Matrix Type: NPW/SCM

2,4,5-T	2,4,5-TP (Silvex)
2,4-D	2,4-DB
Aldicarb (Temik)	Carbofuran (Furaden)
Dalapon	Dicamba
Dinoseb	MCPA
MCPP	Oxamyl

EDR VISTACheck® Report

Winston Engineering
702 GAME FARM RD
YORKVILLE, IL 60560

Latitude (North): 41.65065 - 41°39'02.34"
Longitude (West): 88.45129 - 88°27'04.644"

November 21, 2013

EDR® Environmental Data Resources Inc

Nationwide Customer Service
Telephone: 1-800-352-0050
Internet: www.edrnet.com

★ Target Property
▲ Toxic Sites

National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

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EDR VISTACheck® Report

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	0.500		0	0	0	NR	NR	0
Proposed NPL	0.500		0	0	0	NR	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	0.500		0	0	0	NR	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	1.000		0	0	0	0	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	0.500		0	0	0	NR	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		2	0	NR	NR	NR	2
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SSU	0.500		0	0	0	NR	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
LF SPECIAL WASTE	0.500		0	0	0	NR	NR	0
IL NIPC	0.500		0	0	0	NR	NR	0
CCDD	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	0	1	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LUST TRUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250		2	1	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
SRP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	0.500		0	0	0	NR	NR	0
FUDS	0.500		0	0	0	NR	NR	0
CONSENT	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ROD	0.500		0	0	0	NR	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
HWAR	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
IMPDMENT	0.500		0	0	0	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	0.500		0	0	0	NR	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
BOL	TP		NR	NR	NR	NR	NR	0
PIMW	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Proprietary Records

EDR MGP	0.500		0	0	0	NR	NR	0
EDR US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 | YORKVILLE HIGH SCHOOL | RCRA-SQG | 1001218886
< 1/8 | 702 GAME FARM RD/SITE B | FINDS | ILR000050641
1 ft. | YORKVILLE, IL 60560

Site 1 of 6 in cluster A

RCRA-SQG:

Date form received by agency:	04/17/1998
Facility name:	YORKVILLE HIGH SCHOOL
Facility address:	702 GAME FARM RD/SITE B YORKVILLE, IL 60560
EPA ID:	ILR000050641
Mailing address:	702 GAME FARM RD YORKVILLE, IL 60560
Contact:	FRANK BABICH
Contact address:	702 GAME FARM RD/SITE B YORKVILLE, IL 60560
Contact country:	US
Contact telephone:	(630) 553-4380
Contact email:	Not reported
EPA Region:	05
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	COMMUNITY UNIT SCHOOL DIST 115
Owner/operator address:	602 CENTER PKWY/PO BOX 579 YORKVILLE, IL 60560
Owner/operator country:	Not reported
Owner/operator telephone:	(630) 553-4382
Legal status:	District
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

Waste code:	D001

YORKVILLE HIGH SCHOOL (Continued) 1001218886

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110005963993

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A2 YORKVILLE HIGH SCHOOL FINDS 1008114408
702 GAME FARM RD-B N/A
< 1/8 YORKVILLE, IL
1 ft.

Site 2 of 6 in cluster A

FINDS:

Registry ID: 110018110113

Environmental Interest/Information System
ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations

A3 KENDALL CO HHW COLLECTION — FINDS — 1008149337
702 GAME FARM RD-A — N/A
< 1/8 YORKVILLE, IL
1 ft.

Site 3 of 6 in cluster A

FINDS:

Registry ID: 110018461573

Environmental Interest/Information System
ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A4 KENDALL CO HHW COLLECTION — RCRA-SQG — 1000986479
702 GAME FARM RD — ILR000000083
< 1/8 YORKVILLE, IL 60560
1 ft.

Site 4 of 6 in cluster A

RCRA-SQG:

Date form received by agency:	02/14/1995
Facility name:	KENDALL CO HHW COLLECTION
Facility address:	702 GAME FARM RD YORKVILLE, IL 60560
EPA ID:	ILR000000083
Mailing address:	2200 CHURCHILL RD SPRINGFIELD, IL 62794
Contact:	JENNIFER FORE
Contact address:	2200 CHURCHILL RD SPRINGFIELD, IL 62794
Contact country:	US
Contact telephone:	(217) 785-8604
Contact email:	Not reported
EPA Region:	05
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	YORKVILLE SCHOOL DIST
Owner/operator address:	NA NA, IL 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(216) 785-8604
Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported

KENDALL CO HHW COLLECTION (Continued) **1000986479**

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

Waste code: D000
Waste name: Not Defined

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Violation Status: No violations found

A5 < 1/8 1 ft.
YORKVILLE HIGH SCHOOL
702 GAME FARM RD-B
YORKVILLE, IL 60560
BOL S113289660 N/A

Site 5 of 6 in cluster A

BOL:
Site Id: 170000340833
Inv Num: 0930255041
Interest Name: Yorkville High School
Interest Type: BOL
Media Code: LAND

A6 < 1/8 1 ft.
KENDALL CO HHW COLLECTION
702 GAME FARM RD-A
YORKVILLE, IL 60560
BOL S113289631 N/A

Site 6 of 6 in cluster A

BOL:
Site Id: 170000310875
Inv Num: 0930250009
Interest Name: Kendall Co Hhw Collection
Interest Type: BOL
Media Code: LAND

B7 North < 1/8 0.088 mi. 463 ft.
IL DEPT OF CONSERVATION
804 GAME FARM RD
YORKVILLE, IL 60560
UST U001136991 N/A

Site 1 of 2 in cluster B

UST:
Facility ID: 2010173
Facility Status: CLOSED
Facility Type: NONE
Owner Id: U0007264
Owner Name: Il Dept Of Natural Resources
Owner Address: 804 Game Farm Rd
Owner City,St,Zip: Yorkville, IL 60560

Tank Number: 1
Tank Status: Removed
Tank Capacity: 500
Tank Substance: Gasoline
Last Used Date: Not reported
OSFM First Notify Date: 4/28/1986
Red Tag Issue Date: Not reported
Install Date: Not reported
Green Tag Decal: Not reported
Green Tag Issue Date: Not reported
Green Tag Expire Date: Not reported
Self Service Permit Inspection Date: Not reported
Self Service Permit Expire Date: Not reported
Fee Due: Not reported

Tank Number: 2

IL DEPT OF CONSERVATION (Continued) U001136991

Tank Status:	**Removed**
Tank Capacity:	500
Tank Substance:	Diesel Fuel
Last Used Date:	Not reported
OSFM First Notify Date:	4/28/1986
Red Tag Issue Date:	Not reported
Install Date:	Not reported
Green Tag Decal:	**Not reported**
Green Tag Issue Date:	**Not reported**
Green Tag Expire Date:	**Not reported**
Self Service Permit Inspection Date:	**Not reported**
Self Service Permit Expire Date:	**Not reported**
Fee Due:	Not reported

B8 YORKVILLE HIGH SCHOOL — UST U000859540
North 702 GAME GARM RD — N/A
< 1/8 YORKVILLE, IL 60560
0.095 mi.
500 ft. **Site 2 of 2 in cluster B**

UST:

Facility ID:	2027174
Facility Status:	CLOSED
Facility Type:	**NONE**
Owner Id:	U0001692
Owner Name:	Board Ed Yorkville Dist 115
Owner Address:	106 Rt 126
Owner City,St,Zip:	Yorkville, IL 60560
Tank Number:	1
Tank Status:	**Removed**
Tank Capacity:	10000
Tank Substance:	Heating Oil
Last Used Date:	Not reported
OSFM First Notify Date:	2/25/1991
Red Tag Issue Date:	Not reported
Install Date:	1/1/1902
Green Tag Decal:	**Not reported**
Green Tag Issue Date:	**Not reported**
Green Tag Expire Date:	**Not reported**
Self Service Permit Inspection Date:	**Not reported**
Self Service Permit Expire Date:	**Not reported**
Fee Due:	Not reported

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9 YORKVILLE GRADE SCHOOL — UST U000859552
ESE 201 W SOMONAUK — N/A
1/8-1/4 YORKVILLE, IL 60560
0.242 mi.
1279 ft.

UST:

Facility ID:	2025934
Facility Status:	CLOSED
Facility Type:	**NONE**
Owner Id:	U0016755
Owner Name:	Yorkville School Dist 115

YORKVILLE GRADE SCHOOL (Continued) U000859552

Owner Address: 507 W Kendall Dr Suite 4
Owner City,St,Zip: Yorkville, IL 60560

Tank Number: 1
Tank Status: Removed
Tank Capacity: 7000
Tank Substance: Not reported
Last Used Date: 12/1/1982
OSFM First Notify Date: 7/25/1990
Red Tag Issue Date: Not reported
Install Date: Not reported
Green Tag Decal: Not reported
Green Tag Issue Date: Not reported
Green Tag Expire Date: Not reported
Self Service Permit Inspection Date: Not reported
Self Service Permit Expire Date: Not reported
Fee Due: Not reported

10
SE
1/4-1/2
0.490 mi.
2586 ft.

AMOCO OIL #18821
207 EAST MAIN
YORKVILLE, IL 60560

LUST S104526636
N/A

LUST:
Incident Num: 902826
IL EPA Id: 0930255017
Product: Gasoline
IEMA Date: 09/27/1990
Project Manager: Friedel
Project Manager Phone: (217) 785-5736
Email: Melinda.Friedel@illinois.gov
PRP Name: Amoco Oil Co.
PRP Contact: Lyle Bruce
PRP Address: 28100 Torch Pkwy., 6-S
PRP City,St,Zip: Warrenville, IL 60555
PRP Phone: Not reported
Site Classification: Not reported
Section 57.5(g) Letter: 731
Date Section 57.5(g) Letter: Not reported
Non LUST Determination Letter: Not reported
20 Report Received: Not reported
45 Report Received: Not reported
NFA/NFR Letter: 09/24/1999
NFR Date Recorded: 11/02/1999

Count: 15 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
VARIOUS	S113289765	KENDALL CNTY TIRE COLLECT	KENDALL COUNTY	60560	BOL
YORKVILLE	S113289653	KENDALL PRINTING	9675B RTE 34	60560	BOL
YORKVILLE	1008122200	KENDALL PRINTING	9675B RTE 34		FINDS
YORKVILLE	1008121843	KENDALL COUNTY HWY DEPT	6780 RTE 47		FINDS
YORKVILLE	U004110501	GRAINCO FS, INC.	8115 ROUTE 47	60560	UST
YORKVILLE	1004694916	WRIGLEY MFG	2800 RTE 47	60560	RCRA-SQG
YORKVILLE	S111894851		6780 ROUTE 47		LUST, SPILLS, BOL
YORKVILLE	1004693743	NORMS AUTO REPAIR	RTE 47	60560	RCRA-CESQG, FINDS
YORKVILLE	1004481157	KENDALL COUNTY COURTHOUSE	COURTHOUSE		FINDS, AIRS
YORKVILLE	S109350712	REMLINE	3601 ILLINOIS ROUTE 47	60560	UIC, SRP
YORKVILLE	1008121849	KENDALL CNTY TIRE COLLECT	KENDALL COUNTY		FINDS
YORKVILLE	U004014297	ILLINOIS TRUCK MAINTENANCE	7070 S ROUTE 47	60560	UST
YORKVILLE	1004692539	KENDALL PRINTING	9675 B RTE 34		RCRA-CESQG, FINDS
YORKVILLE	1008144747	KENDALL COUNTY	S RTE 34 W ON JOHN ST		FINDS
YORKVILLE	1006807392	ILLINOIS TRUCK MAINTENANCE	7070 S RTE 47		RCRA-CESQG, FINDS

Illinois Environmental Protection Agency

Bureau of Water • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Division of Water Pollution Control
Notice of Intent (NOI) for General Permit
to Discharge Storm Water Associated with Construction Site Activities

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Permit Section at the above address.

For Office Use Only

Permit No. ILR10 _____

OWNER INFORMATION

Company/Owner Name: United City of Yorkville

Mailing Address: 52 Wheeler Road Phone: 630-466-6700

City: Sugar Grove State: IL Zip: 60554 Fax: 630-466-6701

Contact Person: Brad Sanderson - City Engineer E-mail: bsanderson@eeiweb.com

Owner Type (select one) City

MS4 Community: ☑ Yes ☐ No

CONTRACTOR INFORMATION

Contractor Name: T.B.D.

Mailing Address: _____ Phone: _____

City: _____ State: ___ Zip: _____ Fax: _____

CONSTRUCTION SITE INFORMATION

Select One: ☒ New ☐ Change of information for: ILR10 _____

Project Name: Game Farm Road Improvements County: Kendall

Street Address: Game Farm Rd(Tower Ln to US34) City: Yorkville IL Zip: 60560

Latitude: 41 (Deg) 39 (Min) 00 (Sec) Longitude: -88 (Deg) 26 (Min) 50 (Sec) 28 & 29 Section 37N Township 7E Range

Approximate Construction Start Date Apr 1, 2015 Approximate Construction End Date Nov 1, 2015

Total size of construction site in acres: 8.5

If less than 1 acre, is the site part of a larger common plan of development?

☐ Yes ☐ No

Fee Schedule for Construction Sites:
Less than 5 acres - $250
5 or more acres - $750

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

Has the SWPPP been submitted to the Agency? ☑ Yes ☐ No

(Submit SWPPP electronically to: epa.constilr10swppp@illinois.gov)

Location of SWPPP for viewing: Address: 52 Wheeler Road City: Sugar Grove

SWPPP contact information: Inspector qualifications:

Contact Name: Brad Sanderson - City Engineer P.E.

Phone: 630-466-6700 Fax: 630-466-6701 E-mail: bsanderson@eeiweb.com

Project inspector, if different from above Inspector qualifications:

Inspector's Name: T.B.D. _____

Phone: _____ Fax: _____ E-mail: _____

125

TYPE OF CONSTRUCTION (select one)

Construction Type Transportation

SIC Code: _____

Type a detailed description of the project:

This project consists of the reconstruction of Game Farm Road for the addition of one (1) bi-directional lane and auxiliary lanes at side road intersections. The existing traffic signal at the intersection of U.S. Route 34 will be modified. The project also includes new storm sewer and water main, grading and landscaping.

HISTORIC PRESERVATION AND ENDANGERED SPECIES COMPLIANCE

Has the project been submitted to the following state agencies to satisfy applicable requirements for compliance with Illinois law on:

Historic Preservation Agency ☑ Yes ☐ No

Endangered Species ☑ Yes ☐ No

RECEIVING WATER INFORMATION

Does your storm water discharge directly to: ☐ Waters of the State or ☑ Storm Sewer

Owner of storm sewer system: United City of Yorkville (Game Farm Road) and IDOT (U.S. Route 34)

Name of closest receiving water body to which you discharge: Blackberry Creek

Mail completed form to: Illinois Environmental Protection Agency
Division of Water Pollution Control
Attn: Permit Section
Post Office Box 19276
Springfield, Illinois 62794-9276
or call (217) 782-0610
FAX: (217) 782-9891

Or submit electronically to: epa.constilr10swppp@illinois.gov

I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this 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. In addition, I certify that the provisions of the permit, including the development and implementation of a storm water pollution prevention plan and a monitoring program plan, will be complied with.

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))

BD S _____ 5/21/14

Owner Signature: _____ Date: _____

Brad Sanderson _____ City Engineer _____

Printed Name: _____ Title: _____

INSTRUCTIONS FOR COMPLETION OF CONSTRUCTION ACTIVITY NOTICE OF INTENT (NOI) FORM

Submit original, electronic or facsimile copies. Facsimile and/or electronic copies should be followed-up with submission of an original signature copy as soon as possible. Please write "copy" under the "For Office Use Only" box in the upper right hand corner of the first page.

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Permit Section at:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Permit Section
Post Office Box 19276
Springfield, Illinois 62794-9276
or call (217) 782-0610
FAX: (217) 782-9891

Or submit electronically to: epa.constilr10swppp@illinois.gov

Reports must be typed or printed legibly and signed.

Any facility that is not presently covered by the General NPDES Permit for Storm Water Discharges From Construction Site Activities is considered a new facility.

If this is a change in your facility information, renewal, etc., please fill in your permit number on the appropriate line, changes of information or permit renewal notifications do not require a fee.

NOTE: FACILITY LOCATION IS NOT NECESSARILY THE FACILITY MAILING ADDRESS, BUT SHOULD DESCRIBE WHERE THE FACILITY IS LOCATED.

Use the formats given in the following examples for correct form completion.

	Example	Format
Section	12	1 or 2 numerical digits
Township	12N	1 or 2 numerical digits followed by "N" or "S"
Range	12W	1 or 2 numerical digits followed by "E" or "W"

For the Name of Closest Receiving Waters, do not use terms such as ditch or channel. For unnamed tributaries, use terms which include at least a named main tributary such as "Unnamed Tributary to Sugar Creek to Sangamon River."

Submission of initial fee and an electronic submission of Storm Water Pollution Prevention Plan (SWPPP) for Initial Permit prior to the Notice of Intent being considered complete for coverage by the ILR10 General Permits. Please make checks payable to: Illinois EPA at the above address.

Construction sites with less than 5 acres of land disturbance - fee is $250.

Construction sites with 5 or more acres of land disturbance - fee is $750.

SWPPP should be submitted electronically to: epa.constilr10swppp@illinois.gov When submitting electronically, use Project Name and City as indicated on NOI form.

IDOT TRAINING PROGRAM GRADUATE ON-THE-JOB TRAINING SPECIAL PROVISION (TPG)

Effective: August 1, 2012 Revised: February 1, 2014

In addition to the Contractor's equal employment opportunity affirmative action efforts undertaken as elsewhere required by this Contract, the Contractor is encouraged to participate in the incentive program to provide additional on-the-job training to certified graduates of IDOT funded pre-apprenticeship training programs outlined by this Special Provision.

It is the policy of IDOT to fund IDOT pre-apprenticeship training programs throughout Illinois to provide training and skill-improvement opportunities to assure the increased participation of minority groups, disadvantaged persons and women in all phases of the highway construction industry. The intent of this IDOT Training Program Graduate (TPG) Special Provision is to place certified graduates of these IDOT funded pre-apprentice training programs on IDOT project sites when feasible, and provide the graduates with meaningful on-the-job training intended to lead to journey-level employment. IDOT and its sub-recipients, in carrying out the responsibilities of a state contract, shall determine which construction contracts shall include "Training Program Graduate Special Provisions." To benefit from the incentives to encourage the participation in the additional on-the-job training under this Training Program Graduate Special Provision, the Contractor shall make every reasonable effort to employ certified graduates of IDOT funded Pre-apprenticeship Training Programs to the extent such persons are available within a reasonable recruitment area.

Participation pursuant to IDOT's requirements by the Contractor or subcontractor in this Training Program Graduate (TPG) Special Provision entitles the Contractor or subcontractor to be reimbursed at $15.00 per hour for training given a certified TPG on this contract. As approved by the Department, reimbursement will be made for training persons as specified herein. This reimbursement will be made even though the Contractor or subcontractor may receive additional training program funds from other sources for other trainees, provided such other source does not specifically prohibit the Contractor or subcontractor from receiving other reimbursement. For purposes of this Special Provision the Contractor is not relieved of requirements under applicable federal law, the Illinois Prevailing Wage Act, and is not eligible for other training fund reimbursements in addition to the Training Program Graduate (TPG) Special Provision reimbursement.

No payment shall be made to the Contractor if the Contractor or subcontractor fails to provide the required training. It is normally expected that a TPG will begin training on the project as soon as feasible after start of work utilizing the skill involved and remain on the project through completion of the contract, so long as training opportunities exist in his work classification or until he has completed his training program. Should the TPG's employment end in advance of the completion of the contract, the Contractor shall promptly notify the designated IDOT staff member under this Special Provision that the TPG's involvement in the contract has ended and supply a written report of the reason for the end of the involvement, the hours completed by the TPG under the Contract and the number of hours for which the incentive payment provided under this Special Provision will be or has been claimed for the TPG.

The Contractor will provide for the maintenance of records and furnish periodic reports documenting its performance under this Special Provision.

METHOD OF MEASUREMENT: The unit of measurement is in hours.

BASIS OF PAYMENT: This work will be paid for at the contract unit price of $15.00 per hour for certified TRAINEES TRAINING PROGRAM GRADUATE. The estimated total number of hours, unit price and total price have been included in the schedule of prices.

The Contractor shall provide training opportunities aimed at developing full journeyworker in the type of trade or job classification involved. The initial number of TPGs for which the incentive is available under this contract is 2. During the course of performance of the Contract the Contractor may seek approval from the Department for additional incentive eligible TPGs. In the event the Contractor subcontracts a portion of the contract work, it shall determine how many, if any, of the TPGs are to be trained by the subcontractor, provided however, that the Contractor shall retain the primary responsibility for meeting the training requirements imposed by this Special Provision. The Contractor shall also insure that this Training Program Graduate Special Provision is made applicable to such subcontract if the TPGs are to be trained by a subcontractor and that the incentive payment is passed on to each subcontractor.

For the Contractor to meet the obligations for participation in this TPG incentive program under this Special Provision, the Department has contracted with several entities to provide screening, tutoring and pre-training to individuals interested in working in the applicable construction classification and has certified those students who have successfully completed the program and are eligible to be TPGs. A designated IDOT staff member, the Director of the Office of Business and Workforce Diversity (OBWD), will be responsible for providing assistance and referrals to the Contractor for the applicable TPGs. For this contract, the Director of OBWD is designated as the responsible IDOT staff member to provide the assistance and referral services related to the placement for this Special Provision. For purposes of this Contract, contacting the Director of OBWD and interviewing each candidate he/she recommends constitutes reasonable recruitment.

Prior to commencing construction, the Contractor shall submit to the Department for approval the TPGs to be trained in each selected classification. Furthermore, the Contractor shall specify the starting time for training in each of the classifications. No employee shall be employed as a TPG in any classification in which he/she has successfully completed a training course leading to journeyman status or in which he/she has been employed as a journeyman. Notwithstanding the on-the-job training purpose of this TPG Special Provision, some offsite training is permissible as long as the offsite training is an integral part of the work of the contract and does not comprise a significant part of the overall training.

Training and upgrading of TPGs of IDOT pre-apprentice training programs is intended to move said TPGs toward journeyman status and is the primary objective of this Training Program Graduate Special Provision. Accordingly, the Contractor shall make every effort to enroll TPGs by recruitment through the IDOT funded TPG programs to the extent such persons are available within a reasonable area of recruitment. The Contractor will be responsible for demonstrating the steps that it has taken in pursuance thereof, prior to a determination as to whether the Contractor is in compliance and entitled to the Training Program Graduate Special Provision $15.00 an hour incentive.

The Contractor or subcontractor shall provide each TPG with a certificate showing the type and length of training satisfactorily completed.

HMA DRIVEWAY PAVEMENT

This work shall consist of constructing hot-mix asphalt driveways as indicated in the plans and in accordance with section 406 of the Standard Specifications.

Private Driveways shall be constructed to a nominal thickness of 3 inches of HMA Surface Course, Mix "D", N50 (two lifts) over 8 inches of Subbase Granular Material, Type B.

Commercial driveways shall be constructed to a nominal thickness of 4 inches of hot-mix asphalt (1 ¾ inches of HMA Surface Course, Mix "D", N50 and 2 ¼ inches of HMA Binder Course, IL-19.0 FG, N50) over 10 inches of Subbase Granular Material, Type B.

This work will be paid for at the contract unit price per square yard for HMA DRIVEWAY PAVEMENT, of the thickness specified. This price shall include all labor, materials, equipment, and incidentals necessary to perform the work.

The work for driveway pavement removal, subbase granular material, and bituminous materials (prime coat) will be paid for separately and shall be performed in accordance with the Standard Specifications and the specifications herein.

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

SPECIAL PROVISION FOR COOPERATION WITH UTILITIES

Effective: January 1, 1999
Revised: January 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.

Replace Article 105.07 of the Standard Specifications with the following:

"**105.07 Cooperation with Utilities.** The adjustment of utilities consists of the relocation, removal, replacement, rearrangements, reconstruction, improvement, disconnection, connection, shifting, new installation or altering of an existing utility facility in any manner.

When the plans or special provisions include information pertaining to the location of underground utility facilities, such information represents only the opinion of the Department as to the location of such utilities and is only included for the convenience of the bidder. The Department assumes no responsibility in respect to the sufficiency or the accuracy of the information shown on the plans relative to the location of the underground utility facilities.

Utilities which are to be adjusted shall be adjusted by the utility owner or the owner's representative or by the Contractor as a contract item. Generally, arrangements for adjusting existing utilities will be made by the Department prior to project construction; however, utilities will not necessarily be adjusted in advance of project construction and, in some cases, utilities will not be removed from the proposed construction limits. When utility adjustments must be performed in conjunction with construction, the utility adjustment work will be shown on the plans and/or covered by Special Provisions.

When the Contractor discovers a utility has not been adjusted by the owner or the owner's representative as indicated in the contract documents, or the utility is not shown on the plans or described in the Special Provisions as to be adjusted in conjunction with construction, the Contractor shall not interfere with said utility, and shall take proper precautions to prevent damage or interruption of the utility and shall promptly notify the Engineer of the nature and location of said utility.

All necessary adjustments, as determined by the Engineer, of utilities not shown on the plans or not identified by markers, will be made at no cost to the Contractor except traffic structures, light poles, etc., that are normally located within the proposed construction limits as hereinafter defined will not be adjusted unless required by the proposed improvement.

(a) Limits of Proposed Construction for Utilities Paralleling the Roadway. For the purpose of this Article, limits of proposed construction for utilities extending in the same longitudinal direction as the roadway, shall be defined as follows:

(1) The horizontal limits shall be a vertical plane, outside of, parallel to, and 600 mm (2 ft) distant at right angles from the plan or revised slope limits.

In cases where the limits of excavation for structures are not shown on the plans, the horizontal limits shall be a vertical plane 1.2 m (4 ft) outside the edges of structure footings or the structure where no footings are required.

(2) The upper vertical limits shall be the regulations governing the roadbed clearance for the specific utility involved.

(3) The lower vertical limits shall be the top of the utility at the depth below the proposed grade as prescribed by the governing agency or the limits of excavation, whichever is less.

(b) Limits of Proposed Construction for Utilities Crossing the Roadway. For the purpose of this Article, limits of proposed construction for utilities crossing the roadway in a generally transverse direction shall be defined as follows:

(1) Utilities crossing excavations for structures that are normally made by trenching such as sewers, underdrains, etc. and all minor structures such as manholes, inlets, foundations for signs, foundations for traffic signals, etc., the limits shall be the space to be occupied by the proposed permanent construction unless otherwise required by the regulations governing the specific utility involved.

(2) For utilities crossing the proposed site of major structures such as bridges, sign trusses, etc., the limits shall be as defined above for utilities extending in the same general direction as the roadway.

The Contractor may make arrangements for adjustment of utilities outside of the limits of proposed construction provided the Contractor furnishes the Department with a signed agreement with the utility owner covering the adjustments to be made. The cost of any adjustments made outside the limits of proposed construction shall be the responsibility of the Contractor unless otherwise provided.

The Contractor shall request all utility owners to field locate their facilities according to Article 107.31. The Engineer may make the request for location from the utility after receipt of notice from the Contractor. On request, the Engineer will make an inspection to verify that the utility company has field located its facilities, but will not assume responsibility for the accuracy of such work. The Contractor shall be responsible for maintaining the excavations or markers provided by the utility owners. This field location procedure may be waived if the utility owner has stated in writing to the Department it is satisfied the construction plans are sufficiently accurate. If the utility owner does not submit such statement to the Department, and they do not field locate their facilities in both horizontal and vertical alignment, the Engineer will authorize the Contractor in writing to proceed to locate the facilities in the most economical and reasonable manner, subject to the approval of the Engineer, and be paid according to Article 109.04.

The Contractor shall coordinate with any planned utility adjustment or new installation and the Contractor shall take all precautions to prevent disturbance or damage to utility facilities. Any failure on the part of the utility owner, or their representative, to proceed with any planned utility adjustment or new installation shall be reported promptly by the Contractor to the Engineer orally and in writing.

The Contractor shall take all necessary precautions for the protection of the utility facilities. The Contractor shall be responsible for any damage or destruction of utility facilities resulting from neglect, misconduct, or omission in the Contractor's manner or method of execution or nonexecution of the work, or caused by defective work or the use of unsatisfactory materials. Whenever any damage or destruction of a utility facility occurs as a result of work performed by the Contractor, the utility company will be immediately notified. The utility company will make arrangements to restore such facility to a condition equal to that existing before any such damage or destruction was done.

It is understood and agreed that the Contractor has considered in the bid all of the permanent and temporary utilities in their present and/or adjusted positions.

No additional compensation will be allowed for any delays, inconvenience, or damage sustained by the Contractor due to any interference from the said utility facilities or the operation of relocating the said utility facilities.

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:

United City of Yorkville

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

AGGREGATE SUBGRADE IMPROVEMENT (BDE)

Effective: April 1, 2012
Revised: January 1, 2013

Add the following Section to the Standard Specifications:

"SECTION 303. AGGREGATE SUBGRADE IMPROVEMENT

303.01 Description. This work shall consist of constructing an aggregate subgrade improvement.

303.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Coarse Aggregate	1004.06
(b) Reclaimed Asphalt Pavement (RAP) (Notes 1, 2, and 3)	1031

Note 1. Crushed RAP, from either full depth or single lift removal, may be mechanically blended with aggregate gradations CS 01, CS 02, and RR 01 but shall not exceed 40 percent of the total product. The top size of the RAP shall be less than 4 in. (100 mm) and well graded.

Note 2. RAP having 100 percent passing the 1 1/2 in. (37.5 mm) sieve and being well graded, may be used as capping aggregate in the top 3 in. (75 mm) when aggregate gradations CS 01, CS 02, or RR 01 are used in lower lifts.

Note 3. The RAP used for aggregate subgrade improvement shall be according to the current Bureau of Materials and Physical Research Policy Memorandum, "Reclaimed Asphalt Pavement (RAP) for Aggregate Applications".

303.03 Equipment. The vibratory machine shall be according to Article 1101.01, or as approved by the Engineer.

303.04 Soil Preparation. The stability of the soil shall be according to the Department's Subgrade Stability Manual for the aggregate thickness specified.

303.05 Placing Aggregate. The maximum nominal lift thickness of aggregate gradations CA 02, CA 06, or CA 10 shall be 12 in. (300 mm). The maximum nominal lift thickness of aggregate gradations CS 01, CS 02, and RR 01 shall be 24 in. (600 mm).

303.06 Capping Aggregate. The top surface of the aggregate subgrade shall consist of a minimum 3 in. (75 mm) of aggregate gradations CA 06 or CA 10. When the contract specifies that a granular subbase is to be placed on the aggregate subgrade improvement, the 3 in. (75 mm) of capping aggregate shall be the same gradation and may be placed with the underlying aggregate subgrade improvement material.

303.07 Compaction. All aggregate lifts shall be compacted to the satisfaction of the Engineer. If the moisture content of the material is such that compaction cannot be obtained, sufficient water shall be added so that satisfactory compaction can be obtained.

303.08 Finishing and Maintenance of Aggregate Subgrade Improvement. The aggregate subgrade improvement shall be finished to the lines, grades, and cross sections shown on the plans, or as directed by the Engineer. The aggregate subgrade improvement shall be maintained in a smooth and compacted condition.

303.09 Method of Measurement. This work will be measured for payment according to Article 311.08.

303.10 Basis of Payment. This work will be paid for at the contract unit price per cubic yard (cubic meter) or ton (metric ton) for AGGREGATE SUBGRADE IMPROVEMENT or at the contract unit price per square yard (square meter) for AGGREGATE SUBGRADE IMPROVEMENT, of the thickness specified."

Add the following to Section 1004 of the Standard Specifications:

"**1004.06 Coarse Aggregate for Aggregate Subgrade Improvement.** The aggregate shall be according to Article 1004.01 and the following.

(a) Description. The coarse aggregate shall be crushed gravel, crushed stone, or crushed concrete.

(b) Quality. The coarse aggregate shall consist of sound durable particles reasonably free of deleterious materials.

(c) Gradation.

(1) The coarse aggregate gradation for total subgrade thickness less than or equal to 12 in. (300 mm) shall be CA 2, CA 6, CA 10, or CS 01.

The coarse aggregate gradation for total subgrade thickness more than 12 in. (300 mm) shall be CS 01, CS 02 or RR 01(see Article 1005.01(c)).

	COARSE AGGREGATE SUBGRADE GRADATIONS				
Grad No.	Sieve Size and Percent Passing				
	8"	6"	4"	2"	#4
CS 01	100	97 ± 3	90 ± 10	45 ± 25	20 ± 20
CS 02		100	80 ± 10	25 ± 15	

	COARSE AGGREGATE SUBGRADE GRADATIONS (Metric)				
Grad No.	Sieve Size and Percent Passing				
	200 mm	150 mm	100 mm	50 mm	4.75 mm

CS 01	100	97 ± 3	90 ± 10	45 ± 25	20 ± 20
CS 02		100	80 ± 10	25 ± 15	

(2) The 3 in. (75 mm) capping aggregate shall be gradation CA 6 or CA 10."

80274

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

Effective: November 2, 2006
Revised: August 1, 2013

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 preventative maintenance 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 x D x (G_{mb} x 46.8) / 2000. For HMA mixtures measured in square meters: Q, metric tons = A x D x (G_{mb} x 1) / 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

CONCRETE GUTTER, CURB, MEDIAN, AND PAVED DITCH (BDE)

Effective: April 1, 2014
Revised: August 1, 2014

Add the following to Article 606.02 of the Standard Specifications:

"(i) Polyurethane Joint Sealant ..... 1050.04"

Revise the fifth paragraph of Article 606.07 of the Standard Specifications to read:

"Transverse contraction and longitudinal construction joints shall be sealed according to Article 420.12, except transverse joints in concrete curb and gutter shall be sealed with polysulfide or polyurethane joint sealant."

Add the following to Section 1050 of the Standard Specifications:

"**1050.04 Polyurethane Joint Sealant.** The joint sealant shall be a polyurethane sealant, Type S, Grade NS, Class 25 or better, Use T (T_1 or T_2), according to ASTM C 920."

80334

CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)

Effective: June 1, 2010
Revised: November 1, 2014

The reduction of emissions of particulate matter (PM) for off-road equipment shall be accomplished by installing retrofit emission control devices. The term "equipment" refers to diesel fuel powered devices rated at 50 hp and above, to be used on the jobsite in excess of seven calendar days over the course of the construction period on the jobsite (including rental equipment).

Contractor and subcontractor diesel powered off-road equipment assigned to the contract shall be retrofitted using the phased in approach shown below. Equipment that is of a model year older than the year given for that equipment's respective horsepower range shall be retrofitted:

Effective Dates	Horsepower Range	Model Year
June 1, 2010 1/	600-749	2002
	750 and up	2006
June 1, 2011 2/	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006
June 1, 2012 2/	50-99	2004
	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006

1/ Effective dates apply to Contractor diesel powered off-road equipment assigned to the contract.

2/ Effective dates apply to Contractor and subcontractor diesel powered off-road equipment assigned to the contract.

The retrofit emission control devices shall achieve a minimum PM emission reduction of 50 percent and shall be:

a) Included on the U.S. Environmental Protection Agency (USEPA) *Verified Retrofit Technology List* (http://www.epa.gov/cleandiesel/verification/verif-list.htm), or verified by the California Air Resources Board (CARB) (http://www.arb.ca.gov/diesel/verdev/vt/cvt.htm); or

b) Retrofitted with a non-verified diesel retrofit emission control device if verified retrofit emission control devices are not available for equipment proposed to be used on the project, and if the Contractor has obtained a performance certification from the retrofit

device manufacturer that the emission control device provides a minimum PM emission reduction of 50 percent.

Note: Large cranes (Crawler mounted cranes) which are responsible for critical lift operations are exempt from installing retrofit emission control devices if such devices adversely affect equipment operation.

Diesel powered off-road equipment with engine ratings of 50 hp and above, which are unable to be retrofitted with verified emission control devices or if performance certifications are not available which will achieve a minimum 50 percent PM reduction, may be granted a waiver by the Department if documentation is provided showing good faith efforts were made by the Contractor to retrofit the equipment.

Construction shall not proceed until the Contractor submits a certified list of the diesel powered off-road equipment that will be used, and as necessary, retrofitted with emission control devices. The list(s) shall include (1) the equipment number, type, make, Contractor/rental company name; and (2) the emission control devices make, model, USEPA or CARB verification number, or performance certification from the retrofit device manufacturer. Equipment reported as fitted with emissions control devices shall be made available to the Engineer for visual inspection of the device installation, prior to being used on the jobsite.

The Contractor shall submit an updated list of retrofitted off-road construction equipment as retrofitted equipment changes or comes on to the jobsite. The addition or deletion of any diesel powered equipment shall be included on the updated list.

If any diesel powered off-road equipment is found to be in non-compliance with any portion of this special provision, the Engineer will issue the Contractor a diesel retrofit deficiency deduction.

Any costs associated with retrofitting any diesel powered off-road equipment with emission control devices 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 not be grounds for a claim.

Diesel Retrofit Deficiency Deduction

When the Engineer determines that a diesel retrofit deficiency exists, 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.

The deficiency will be based on lack of diesel retrofit emissions control.

If a Contractor accumulates three diesel retrofit deficiency deductions for the same piece of equipment 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 the contract time, waiver of penalties, or be grounds for any claim.

80261

CONTRACT CLAIMS (BDE)

Effective: April 1, 2014

Revise the first paragraph of Article 109.09(a) of the Standard Specifications to read:

"(a) Submission of Claim. All claims filed by the Contractor shall be in writing and in sufficient detail to enable the Department to ascertain the basis and amount of the claim. As a minimum, the following information must accompany each claim submitted."

Revise Article 109.09(e) of the Standard Specifications to read:

"(e) Procedure. The Department provides two administrative levels for claims review.

Level I Engineer of Construction
Level II Chief Engineer/Director of Highways or Designee

(1) Level I. All claims shall first be submitted at Level I. Two copies each of the claim and supporting documentation shall be submitted simultaneously to the District and the Engineer of Construction. The Engineer of Construction, in consultation with the District, will consider all information submitted with the claim and render a decision on the claim within 90 days after receipt by the Engineer of Construction. Claims not conforming to this Article will be returned without consideration. The Engineer of Construction may schedule a claim presentation meeting if in the Engineer of Construction's judgment such a meeting would aid in resolution of the claim, otherwise a decision will be made based on the claim documentation submitted. If a Level I decision is not rendered within 90 days of receipt of the claim, or if the Contractor disputes the decision, an appeal to Level II may be made by the Contractor.

(2) Level II. An appeal to Level II shall be made in writing to the Engineer of Construction within 45 days after the date of the Level I decision. Review of the claim at Level II shall be conducted as a full evaluation of the claim. A claim presentation meeting may be scheduled if the Chief Engineer/Director of Highways determines that such a meeting would aid in resolution of the claim, otherwise a decision will be made based on the claim documentation submitted. A Level II final decision will be rendered within 90 days of receipt of the written request for appeal.

Full compliance by the Contractor with the provisions specified in this Article is a contractual condition precedent to the Contractor's right to seek relief in the Court of Claims. The Director's written decision shall be the final administrative action of the Department. Unless the Contractor files a claim for adjudication by the Court of Claims within 60 days after the date of the written decision, the failure to file shall constitute a release and waiver of the claim."

80335

DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION (BDE)

Effective: September 1, 2000
Revised: August 2, 2011

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. The 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 5.00% 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 for 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 shall 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 website 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 if 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 that enough DBE participation has been obtained or document that good faith efforts of the bidder, in the event enough DBE participation has not been obtained, 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 documents 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 document 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 or 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 for the determination.

(c) The bidder may request administrative reconsideration of a determination adverse to the bidder within the five working days after the 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 issues raised in the determination statement of reasons, provided the documentation and arguments address efforts made prior to submitting the bid. 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 documentation and 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 consideration, 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 contract. 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 is 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 of 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. All work indicated for performance by an approved DBE shall be performed, managed, and supervised by the DBE executing the Participation Statement.

(a) NO AMENDMENT. 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) TERMINATION OR REPLACEMENT. The Contractor shall not terminate or replace a DBE listed on the approved Utilization Plan, or perform with other forces work designated for a listed DBE except as provided in the Special Provision.

(c) CHANGES TO WORK. Any deviation from the DBE condition-of-award or contract plans, specifications, or special provisions must be approved, in writing, by the Department as provided elsewhere in the Contract. 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. 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. 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.

(d) ALTERNATIVE WORK METHODS. 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 reasonable 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) TERMINATION AND REPLACEMENT PROCEDURES. The Contractor shall not terminate or replace a DBE subcontractor listed in the approved Utilization Plan without prior written consent. This includes, but is not limited to, instances in which the Contractor seeks to perform work originally designated for a DBE subcontractor with its own forces or those of an affiliate, a non-DBE firm, or with another DBE firm. Written consent will be granted only if the Bureau of Small Business Enterprises agrees, for reasons stated in its concurrence document, that the Contractor has good cause to terminate or replace the DBE firm. Before transmitting to the Bureau of Small Business Enterprises any request to terminate and/or substitute a DBE subcontractor, the Contractor shall give notice in writing to the DBE subcontractor, with a copy to the Bureau, of its intent to request to terminate and/or substitute, and the reason for the request. The Contractor shall give the DBE five days to respond to the Contractor's notice. The DBE so notified shall advise the Bureau and the Contractor of the reasons, if any, why it objects to the proposed termination of its subcontract and why the Bureau should not approve the Contractor's action. If required in a particular case as a matter of public necessity, the Bureau may provide a response period shorter than five days.

For purposes of this paragraph, good cause includes the following circumstances:

(1) The listed DBE subcontractor fails or refuses to execute a written contract;

(2) The listed DBE subcontractor fails or refuses to perform the work of its subcontract in a way consistent with normal industry standards. Provided, however, that good cause does not exist if the failure or refusal of the DBE subcontractor to perform its work on the subcontract results from the bad faith or discriminatory action of the prime contractor;

(3) The listed DBE subcontractor fails or refuses to meet the prime Contractor's reasonable, nondiscriminatory bond requirements;

(4) The listed DBE subcontractor becomes bankrupt, insolvent, or exhibits credit unworthiness;

(5) The listed DBE subcontractor is ineligible to work on public works projects because of suspension and debarment proceedings pursuant 2 CFR Parts 180, 215 and 1,200 or applicable state law.

(6) You have determined that the listed DBE subcontractor is not a responsible contractor;

(7) The listed DBE subcontractor voluntarily withdraws from the projects and provides to you written notice of its withdrawal;

(8) The listed DBE is ineligible to receive DBE credit for the type of work required;

(9) A DBE owner dies or becomes disabled with the result that the listed DBE contractor is unable to complete its work on the contract;

(10) Other documented good cause that compels the termination of the DBE subcontractor. Provided, that good cause does not exist if the prime Contractor seeks to terminate a DBE it relied upon to obtain the contract so that the prime Contractor can self-perform the work for which the DBE contractor was engaged or so that the prime Contractor can substitute another DBE or non-DBE contractor after contract award.

When a DBE is terminated, or fails to complete its work on the Contract for any reason the Contractor shall make a good faith effort to find another DBE to substitute for the original DBE to perform at least the same amount of work under the contract as the terminated DBE to the extent needed to meet the established Contract goal.

(f) PAYMENT RECORDS. 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 BDE 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 (h) of this part.

(g) ENFORCEMENT. 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.

(h) RECONSIDERATION. Notwithstanding any other provision of the contract, including but not limited to Article 109.09 of the Standard Specifications, the Contractor my 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

FRICTION AGGREGATE (BDE)

Effective: January 1, 2011
Revised: November 1, 2014

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	Allowed Alone or in Combination [5/]: Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag Crushed Concrete

Use	Mixture	Aggregates Allowed
HMA Low ESAL	Stabilized Subbase or Shoulders	Allowed Alone or in Combination [5/]: Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag[1/] Crushed Concrete
HMA High ESAL Low ESAL	Binder IL-19.0 or IL-19.0L SMA Binder	Allowed Alone or in Combination [5/]: Crushed Gravel Carbonate Crushed Stone[2/] Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Concrete[3/]
HMA High ESAL Low ESAL	C Surface and Leveling Binder IL-9.5 or IL-9.5L SMA Ndesign 50 Surface	Allowed Alone or in Combination [5/]: Crushed Gravel Carbonate Crushed Stone[2/] Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag[4/] Crushed Concrete[3/]
HMA High ESAL	D Surface and Leveling Binder IL-9.5 SMA Ndesign 50 Surface	Allowed Alone or in Combination [5/]: Crushed Gravel Carbonate Crushed Stone (other than Limestone)[2/] Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag[4/] Crushed Concrete[3/]
		Other Combinations Allowed: *Up to...* — *With...* 25% Limestone — Dolomite

Use	Mixture	Aggregates Allowed	
		50% Limestone	Any Mixture D aggregate other than Dolomite
		75% Limestone	Crushed Slag (ACBF) or Crushed Sandstone
HMA High ESAL	E Surface IL-9.5 SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination</u> [5/]: Crushed Gravel Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag 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), Crushed Steel Slag, or Crystalline Crushed Stone
		75% Crushed Gravel or Crushed Concrete[3/]	Crushed Sandstone, Crystalline Crushed Stone, Crushed Slag (ACBF), or Crushed Steel Slag
HMA High ESAL	F Surface IL-9.5 SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination</u> [5/]: Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone.	
		<u>Other Combinations Allowed</u>:	

Use	Mixture	Aggregates Allowed	
		Up to...	*With...*
		50% Crushed Gravel, Crushed Concrete[3/], or Dolomite[2/]	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, 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 combinations of aggregates are used, the blend percent measurements shall be by volume."

80265

GRANULAR MATERIALS (BDE)

Effective: November 1, 2012

Revise the title of Article 1003.04 of the Standard Specifications to read:

"**1003.04 Fine Aggregate for Bedding, Trench Backfill, Embankment, Porous Granular Backfill, Sand Backfill for Underdrains, and French Drains.**"

Revise Article 1003.04(c) of the Standard Specifications to read:

"(c) Gradation. The fine aggregate gradations for granular embankment, granular backfill, bedding, and trench backfill for pipe culverts and storm sewers shall be FA 1, FA 2, or FA 6 through FA 21.

The fine aggregate gradation for porous granular embankment, porous granular backfill, french drains, and sand backfill for underdrains shall be FA 1, FA 2, or FA 20, except the percent passing the No. 200 (75 μm) sieve shall be 2±2."

Revise Article 1004.05(c) of the Standard Specifications to read:

"(c) Gradation. The coarse aggregate gradations shall be as follows.

Application	Gradation
Blotter	CA 15
Granular Embankment, Granular Backfill, Bedding, and Trench Backfill for Pipe Culverts and Storm Sewers	CA 6, CA 9, CA 10, CA 12, CA17, CA18, and CA 19
Porous Granular Embankment, Porous Granular Backfill, and French Drains	CA 7, CA 8, CA 11, CA 15, CA 16 and CA 18"

80303

HOT-MIX ASPHALT - DENSITY TESTING OF LONGITUDINAL JOINTS (BDE)

Effective: January 1, 2010
Revised: April 1, 2012

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 4 in. (100 mm), from each pavement edge. (i.e. for a 5 in. (125 mm) lift the near edge of the density gauge or core barrel shall be within 5 in. (125 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-4.75	Ndesign = 50	93.0 – 97.4%	91.0%
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 – MIXTURE DESIGN COMPOSITION AND VOLUMETRIC REQUIREMENTS (BDE)

Effective: November 1, 2013
Revised: November 1, 2014

Revise the last sentence of the first paragraph of Article 312.05 of the Standard Specifications to read:

"The minimum compacted thickness of each lift shall be according to Article 406.06(d)."

Delete the minimum compacted lift thickness table in Article 312.05 of the Standard Specifications.

Revise the second paragraph of Article 355.02 of the Standard Specifications to read:

"The mixture composition used shall be IL-19.0."

Revise Article 355.05(a) of the Standard Specifications to read:

"(a) The top lift thickness shall be 2 1/4 in. (60 mm) for mixture composition IL-19.0."

Revise the Leveling Binder table and second paragraph of Article 406.05(c) of the Standard Specifications to read:

"Leveling Binder	
Nominal, Compacted, Leveling Binder Thickness, in. (mm)	Mixture Composition
≤ 1 1/4 (32)	IL-4.75, IL-9.5, or IL-9.5L
> 1 1/4 to 2 (32 to 50)	IL-9.5 or IL-9.5L

The density requirements of Article 406.07(c) shall apply for leveling binder, machine method, when the nominal compacted thickness is: 3/4 in. (19 mm) or greater for IL-4.75 mixtures; and 1 1/4 in. (32 mm) or greater for IL-9.5 and IL-9.5L mixtures."

Revise the table in Article 406.06(d) of the Standard Specifications to read:

"MINIMUM COMPACTED LIFT THICKNESS	
Mixture Composition	Thickness, in. (mm)
IL-4.75	3/4 (19)
IL-9.5, IL-9.5L	1 1/4 (32)
SMA-12.5	1 1/2 (38)
IL-19.0, IL-19.0L	2 1/4 (57)"

Revise the ninth paragraph of Article 406.14 of the Standard Specifications to read:

"Test strip mixture will be evaluated at the contract unit price according to the following."

Revise Article 406.14(a) of the Standard Specifications to read:

"(a) If the HMA placed during the initial test strip is determined to be acceptable the mixture will be paid for at the contract unit price."

Revise Article 406.14(b) of the Standard Specifications to read:

"(b) If the HMA placed during the initial test strip (1) is determined to be unacceptable to remain in place by the Engineer, and (2) was not produced within 2.0 to 6.0 percent air voids or within the individual control limits of the JMF according to the Department's test results, the mixture will not be paid for and shall be removed at the Contractor's expense. An additional test strip shall be constructed and the mixture will be paid for in full, if produced within 2.0 to 6.0 percent air voids and within the individual control limits of the JMF."

Revise Article 406.14(c) of the Standard Specifications to read:

"(c) If the HMA placed during the initial test strip (1) is determined to be unacceptable to remain in place by the Engineer, and (2) was produced within 2.0 to 6.0 percent air voids and within the individual control limits of the JMF according to the Department's test results, the mixture shall be removed. Removal will be paid according to Article 109.04. This initial mixture will be paid for at the contract unit price. An additional test strip shall be constructed and the mixture will be paid for in full, if produced within 2.0 to 6.0 percent air voids and within the individual control limits of the JMF."

Delete Article 406.14(d) of the Standard Specifications.

Delete Article 406.14(e) of the Standard Specifications.

Delete the last sentence of Article 407.06(c) of the Standard Specifications.

Revise Note 2. of Article 442.02 of the Standard Specifications to read:

"Note 2. The mixture composition of the HMA used shall be IL-19.0 binder, designed with the same Ndesign as that specified for the mainline pavement."

Delete the second paragraph of Article 482.02 of the Standard Specifications.

Revise the first sentence of the sixth paragraph of Article 482.05 of the Standard Specifications to read:

"When the mainline HMA binder and surface course mixture option is used on resurfacing projects, shoulder resurfacing widths of 6 ft (1.8 m) or less may be placed simultaneously with the adjacent traffic lane for both the binder and surface courses."

Revise the second sentence of the fourth paragraph of Article 601.04 of the Standard Specifications to read:

"The top 5 in. (125 mm) of the trench shall be backfilled with an IL-19.0L Low ESAL mixture meeting the requirements of Section 1030 and compacted to a density of not less than 90 percent of the theoretical density."

Revise the second sentence of the fifth paragraph of Article 601.04 of the Standard Specifications to read:

"The top 8 in. (200 mm) of the trench shall be backfilled with an IL-19.0L Low ESAL mixture meeting the requirements of Section 1030 and compacted to a density of not less than 90 percent of the theoretical density."

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. The fine aggregate gradation for SMA shall be FA/FM 20.

For mixture IL-4.75 and surface mixtures with an Ndesign = 90, at least 50 percent of the required fine aggregate fraction shall consist of either stone sand, slag sand, or steel slag meeting the FA 20 gradation.

For mixture IL-19.0, Ndesign = 90 the fine aggregate fraction shall consist of at least 67 percent manufactured sand meeting FA 20 or FA 22 gradation. For mixture IL-19.0, Ndesign = 50 or 70 the fine aggregate fraction shall consist of at least 50 percent manufactured sand meeting FA 20 or FA 22 gradation. The manufactured sand shall be stone sand, slag sand, steel slag sand, or combinations thereof.

Gradation FA 1, FA 2, or FA 3 shall be used when required for prime coat aggregate application for HMA."

Remove footnote 3/ from the tables and at the end of the tables in Article 1004.01(c) of the Standard Specifications.

Delete the last sentence of the first paragraph of Article 1004.03(b) of the Standard Specifications.

Revise the table in Article 1004.03(c) of the Standard Specifications to read:

"Use	Size/Application	Gradation No.
Class A-1, 2, & 3	3/8 in. (10 mm) Seal	CA 16

Class A-1	1/2 in. (13 mm) Seal	CA 15
Class A-2 & 3	Cover	CA 14
HMA High ESAL	IL-19.0 IL-9.5	CA 11 1/ CA 16 and/or CA 13 CA 16
HMA Low ESAL	IL-19.0L IL-9.5L Stabilized Subbase or Shoulders	CA 11 1/ CA 16

1/ CA 16 or CA 13 may be blended with the gradations listed."

Revise the nomenclature table in Article 1030.01 of the Standard Specifications to read:

"High ESAL	IL-19.0 binder; IL-9.5 surface
Low ESAL	IL-19.0L binder; IL-9.5L surface; Stabilized Subbase (HMA)1/; HMA Shoulders2/

1/ Uses 19.0L binder mix.

2/ Uses 19.0L for lower lifts and 9.5L for surface lift."

Revise Article 1030.02 of the Standard Specifications and Supplemental Specifications to read:

"**1030.02 Materials.** Materials shall be according to the following.

Item	Article/Section
(a) Coarse Aggregate	1004.03
(b) Fine Aggregate	1003.03
(c) RAP Material	1031
(d) Mineral Filler	1011
(e) Hydrated Lime	1012.01
(f) Slaked Quicklime (Note 1)	
(g) Performance Graded Asphalt Binder (Note 2)	1032
(h) Fibers (Note 3)	
(i) Warm Mix Asphalt (WMA) Technologies (Note 4)	

Note 1. Slaked quicklime shall be according to ASTM C 5.

Note 2. The asphalt binder shall be an SBS PG 76-28 when the SMA is used on a full-depth asphalt pavement and SBS PG 76-22 when used as an overlay.

Note 3. A stabilizing additive such as cellulose or mineral fiber shall be added to the SMA mixture according to Illinois Modified AASHTO M 325. The stabilizing additive

shall meet the Fiber Quality Requirements listed in Illinois Modified AASHTO M 325. Prior to approval and use of fibers, the Contractor shall submit a notarized certification by the producer of these materials stating they meet these requirements.

Note 4. Warm mix additives or foaming processes shall be selected from the current Bureau of Materials and Physical Research Approved List, "Warm Mix Asphalt Technologies"."

Revise Article 1030.04(a)(1) of the Standard Specifications and the Supplemental Specifications to read:

"(1) High ESAL Mixtures. The Job Mix Formula (JMF) shall fall within the following limits.

High ESAL, MIXTURE COMPOSITION (% PASSING) 1/								
Sieve Size	IL-19.0 mm		SMA 12.5 4/		IL-9.5 mm		IL-4.75 mm	
	min	max	min	max	min	max	min	max
1 1/2 in (37.5 mm)								
1 in. (25 mm)		100						
3/4 in. (19 mm)	90	100		100				
1/2 in. (12.5 mm)	75	89	90	99		100		100
3/8 in. (9.5 mm)			50	85	90	100		100
#4 (4.75 mm)	40	60	20	40	32	69	90	100
#8 (2.36 mm)	26	42	16	24 5/	32	52 2/	70	90
#16 (1.18 mm)	15	30			10	32	50	65
#50 (300 µm)	6	15			4	15	15	30
#100 (150 µm)	4	9			3	10	10	18
#200 (75 µm)	3	6	8.0	11.0 3/	4	6	7	9
Ratio Dust/Asphalt Binder		1.0				1.0		1.0 3/

1/ Based on percent of total aggregate weight.

2/ The mixture composition shall not exceed 44 percent passing the #8 (2.36 mm) sieve for surface courses with Ndesign = 90.

3/ Additional minus No. 200 (0.075 mm) material required by the mix design shall be mineral filler, unless otherwise approved by the Engineer.

4/ The maximum percent passing the #635 (20 µm) sieve shall be ≤ 3 percent.

5/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted above 24 percent."

Delete Article 1030.04(a)(3) of the Standard Specifications.

Delete Article 1030.04(a)(4) of the Standard Specifications.

Revise the table in Article 1030.04(b)(1) of the Standard Specifications to read:

"VOLUMETRIC REQUIREMENTS High ESAL				
	Voids in the Mineral Aggregate (VMA), % minimum			Voids Filled with Asphalt Binder (VFA), %
Ndesign	IL-19.0	IL-9.5	IL-4.75[1/]	
50	13.5	15.0	18.5	65 – 78 [2/]
70				65 - 75
90				

1/ Maximum Draindown for IL-4.75 shall be 0.3 percent

2/ VFA for IL-4.75 shall be 76-83 percent"

Revise the table in Article 1030.04(b)(2) of the Standard Specifications to read:

"VOLUMETRIC REQUIREMENTS Low ESAL				
Mixture Composition	Design Compactive Effort	Design Air Voids Target %	VMA (Voids in the Mineral Aggregate), % min.	VFA (Voids Filled with Asphalt Binder), %
IL-9.5L	N_{DES} =30	4.0	15.0	65-78
IL-19.0L	N_{DES} =30	4.0	13.5	N/A"

Replace Article 1030.04(b)(3) of the Standard Specifications with the following:

"(3) SMA Mixtures.

ESALs (million)	Ndesign	Design Air Voids Target %	Voids in the Mineral Aggregate (VMA), % min.	Voids Filled with Asphalt (VFA), %
≤ 10	50	4.0	16.0	75 – 80
> 10	80	4.0	17.0	75 – 80"

Delete Article 1030.04(b)(4) of the Standard Specifications.

Delete Article 1030.04(b)(5) from the Supplemental Specifications.

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

"Parameter	Frequency of Tests High ESAL Mixture Low ESAL Mixture	Test Method See Manual of Test Procedures for Materials
Aggregate Gradation % passing sieves: 1/2 in. (12.5 mm), No. 4 (4.75 mm), No. 8 (2.36 mm), No. 30 (600 µm) No. 200 (75 µm)	1 washed ignition oven test on the mix per half day of production Note 3.	Illinois Procedure
Asphalt Binder Content by Ignition Oven Note 1.	1 per half day of production	Illinois-Modified AASHTO T 308
VMA Note 2.	Day's production ≥ 1200 tons: 1 per half day of production	Illinois-Modified AASHTO R 35
	Day's production < 1200 tons: 1 per half day of production for first 2 days and 1 per day thereafter (first sample of the day)	
Air Voids Bulk Specific Gravity of Gyratory Sample Note 4.	Day's production ≥ 1200 tons: 1 per half day of production	Illinois-Modified AASHTO T 312
	Day's production < 1200 tons: 1 per half day of production for first 2 days and 1 per day thereafter (first sample of the day)	
Maximum Specific Gravity of Mixture	Day's production ≥ 1200 tons: 1 per half day of	Illinois-Modified AASHTO T 209

"Parameter	Frequency of Tests High ESAL Mixture Low ESAL Mixture	Test Method See Manual of Test Procedures for Materials
	production	
	Day's production < 1200 tons: 1 per half day of production for first 2 days and 1 per day thereafter (first sample of the day)	

Note 1. The Engineer may waive the ignition oven requirement for asphalt binder content if the aggregates to be used are known to have ignition asphalt binder content calibration factors which exceed 1.5 percent. If the ignition oven requirement is waived, other Department approved methods shall be used to determine the asphalt binder content.

Note 2. The G_{sb} used in the voids in the mineral aggregate (VMA) calculation shall be the same average G_{sb} value listed in the mix design.

Note 3. The Engineer reserves the right to require additional hot bin gradations for batch plants if control problems are evident.

Note 4. The WMA compaction temperature for mixture volumetric testing shall be 270 ± 5 °F (132 ± 3 °C) for quality control testing. The WMA compaction temperature for quality assurance testing will be 270 ± 5 °F (132 ± 3 °C) if the mixture is not allowed to cool to room temperature. If the mixture is allowed to cool to room temperature, it shall be reheated to standard HMA compaction temperatures."

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

"Parameter	High ESAL Mixture Low ESAL Mixture
Ratio Dust/Asphalt Binder	0.6 to 1.2
Moisture	0.3 %"

Revise the Article 1030.05(d)(4) of the Supplemental Specifications to read:

"(4) Control Limits. Target values shall be determined by applying adjustment factors to the AJMF where applicable. The target values shall be plotted on the control charts within the following control limits.

CONTROL LIMITS						
Parameter	High ESAL Low ESAL		SMA		IL-4.75	
	Individual Test	Moving Avg. of 4	Individual Test	Moving Avg. of 4	Individual Test	Moving Avg. of 4
% Passing: 1/						
1/2 in. (12.5 mm)	± 6 %	± 4 %	± 6 %	± 4 %		
3/8 in. (9.5mm)			± 4 %	± 3 %		
No. 4 (4.75 mm)	± 5 %	± 4 %	± 5 %	± 4 %		
No. 8 (2.36 mm)	± 5 %	± 3 %	± 4 %	± 2 %		
No. 16 (1.18 mm)			± 4 %	± 2 %	± 4 %	± 3 %
No. 30 (600 µm)	± 4 %	± 2.5 %	± 4 %	± 2.5 %		
Total Dust Content No. 200 (75 µm)	± 1.5 %	± 1.0 %			± 1.5 %	± 1.0 %
Asphalt Binder Content	± 0.3 %	± 0.2 %	± 0.2 %	± 0.1 %	± 0.3 %	± 0.2 %
Voids	± 1.2 %	± 1.0 %	± 1.2 %	± 1.0 %	± 1.2 %	± 1.0 %
VMA	-0.7 % 2/	-0.5 % 2/	-0.7 % 2/	-0.5 % 2/	-0.7 % 2/	-0.5 % 2/

1/ Based on washed ignition oven

2/ Allowable limit below minimum design VMA requirement

DENSITY CONTROL LIMITS		
Mixture Composition	Parameter	Individual Test
IL-4.75	Ndesign = 50	93.0 - 97.4 % 1/
IL-9.5	Ndesign = 90	92.0 - 96.0 %
IL-9.5,IL-9.5L	Ndesign < 90	92.5 - 97.4 %
IL-19.0	Ndesign = 90	93.0 - 96.0 %
IL-19.0, IL-19.0L	Ndesign < 90	93.0 2/ - 97.4 %
SMA	Ndesign = 50 & 80	93.5 - 97.4 %

1/ Density shall be determined by cores or by correlated, approved thin lift nuclear gauge.

2/ 92.0 % when placed as first lift on an unimproved subgrade."

Revise the table in Article 1030.05(d)(5) of the Supplemental Specifications to read:

"CONTROL CHART REQUIREMENTS	High ESAL, Low ESAL, SMA & IL-4.75
	% Passing Sieves:

Gradation [1/ 3/]	1/2 in. (12.5 mm) [2/] No. 4 (4.75 mm) No. 8 (2.36 mm) No. 30 (600 µm)
Total Dust Content [1/]	No. 200 (75 µm)
	Asphalt Binder Content
	Bulk Specific Gravity
	Maximum Specific Gravity of Mixture
	Voids
	Density
	VMA

1/ Based on washed ignition oven.

2/ Does not apply to IL-4.75.

3/ SMA also requires the 3/8 in. (9.5 mm) sieve."

Delete Article 1030.05(d)(6)a.1.(b.) of the Standard Specifications.

Delete Article 1030.06(b) of the Standard Specifications.

Delete Article 1102.01(e) of the Standard Specifications.

80322

HOT-MIX ASPHALT – MIXTURE DESIGN VERIFICATION AND PRODUCTION (BDE)

Effective: November 1, 2013
Revised: November 1, 2014

Description. This special provision provides the requirements for Hamburg Wheel and tensile strength testing for High ESAL, IL-4.75, and Stone Matrix Asphalt (SMA) hot-mix asphalt (HMA) mixes during mix design verification and production. This special provision also provides the plant requirements for hydrated lime addition systems used in the production of High ESAL, IL-4.75, and SMA mixes.

Mix Design Testing. Add the following below the referenced AASHTO standards in Article 1030.04 of the Standard Specifications:

AASHTO T 324 Hamburg Wheel Test

AASHTO T 283 Tensile Strength Test

Add the following to Article 1030.04 of the Standard Specifications:

"(d) Verification Testing. High ESAL, IL-4.75, and SMA mix designs submitted for verification will be tested to ensure that the resulting mix designs will pass the required criteria for the Hamburg Wheel Test (Illinois Modified AASHTO T 324) and the Tensile Strength Test (Illinois Modified AASHTO T 283). The Department will perform a verification test on gyratory specimens compacted by the Contractor. If the mix fails the Department's verification test, the Contractor shall make necessary changes to the mix and provide passing Hamburg Wheel and tensile strength test results from a private lab. The Department will verify the passing results.

All new and renewal mix designs shall meet the following requirements for verification testing.

(1) Hamburg Wheel Test Criteria. The maximum allowable rut depth shall be 0.5 in. (12.5 mm). The minimum number of wheel passes at the 0.5 in. (12.5 mm) rut depth criteria shall be based on the high temperature binder grade of the mix as specified in the mix requirements table of the plans.

Illinois Modified AASHTO T 324 Requirements [1/]

PG Grade	Number of Passes
PG 58-xx (or lower)	5,000
PG 64-xx	7,500
PG 70-xx	15,000
PG 76-xx (or higher)	20,000

1/ When produced at temperatures of 275 ± 5 °F (135 ± 3 °C) or less, loose Warm Mix Asphalt shall be oven aged at 270 ± 5 °F (132 ± 3 °C) for two hours prior to gyratory compaction of Hamburg Wheel specimens.

(2) Tensile Strength Criteria. The minimum allowable conditioned tensile strength shall be 60 psi (415 kPa) for non-polymer modified performance graded (PG) asphalt binder and 550 kPa (80 psi) for polymer modified PG asphalt binder. The maximum allowable unconditioned tensile strength shall be 200 psi (1380 kPa)."

Production Testing. Revise Article 1030.06(a) of the Standard Specifications to read:

"(a) High ESAL, IL-4.75, WMA, and SMA Mixtures. For each contract, a 300 ton (275 metric tons) test strip will be required at the beginning of HMA production for each mixture with a quantity of 3000 tons (2750 metric tons) or more according to the Manual of Test Procedures for Materials "Hot Mix Asphalt Test Strip Procedures".

Before start-up, target values shall be determined by applying gradation correction factors to the JMF when applicable. These correction factors shall be determined from previous experience. The target values, when approved by the Engineer, shall be used to control HMA production. Plant settings and control charts shall be set according to target values.

Before constructing the test strip, target values shall be determined by applying gradation correction factors to the JMF when applicable. After any JMF adjustment, the JMF shall become the Adjusted Job Mix Formula (AJMF). Upon completion of the first acceptable test strip, the JMF shall become the AJMF regardless of whether or not the JMF has been adjusted. If an adjustment/plant change is made, the Engineer may require a new test strip to be constructed. If the HMA placed during the initial test strip is determined to be unacceptable to remain in place by the Engineer, it shall be removed and replaced.

The limitations between the JMF and AJMF are as follows.

Parameter	Adjustment
1/2 in. (12.5 mm)	± 5.0 %
No. 4 (4.75 mm)	± 4.0 %
No. 8 (2.36 mm)	± 3.0 %
No. 30 (600 µm)	*
No. 200 (75 µm)	*
Asphalt Binder Content	± 0.3 %

* In no case shall the target for the amount passing be greater than the JMF.

Any adjustments outside the above limitations will require a new mix design.

Mixture sampled to represent the test strip shall include additional material sufficient for the Department to conduct Hamburg Wheel testing according to Illinois Modified AASHTO T324 (approximately 60 lb (27 kg) total).

The Contractor shall immediately cease production upon notification by the Engineer of failing Hamburg Wheel test. All prior produced material may be paved out provided all other mixture criteria is being met. No additional mixture shall be produced until the Engineer receives passing Hamburg Wheel tests.

The Department may conduct additional Hamburg Wheel tests on production material as determined by the Engineer."

Revise the title of Article 1030.06(b) of the Standard Specifications to read:

"(b) Low ESAL Mixtures."

System for Hydrated Lime Addition. Revise the fourth sentence of the third paragraph of Article 1030.04(c) of the Standard Specifications to read:

"The method of application shall be according to Article 1102.01(a)(10)."

Replace the first three sentences of the second paragraph of Article 1102.01(a)(10) of the Standard Specifications to read:

"When hydrated lime is used as the anti-strip additive, a separate bin or tank and feeder system shall be provided to store and accurately proportion the lime onto the aggregate either as a slurry, as dry lime applied to damp aggregates, or as dry lime injected onto the hot aggregates prior to adding the liquid asphalt cement. If the hydrated lime is added either as a slurry or as dry lime on damp aggregates, the lime and aggregates shall be mixed by a power driven pugmill to provide a uniform coating of the lime prior to entering the dryer. If dry hydrated lime is added to the hot dry aggregates in a dryer-drum plant, the lime shall be added in such a manner that the lime will not become entrained into the air stream of the dryer-drum and that thorough dry mixing shall occur prior to the injection point of the liquid asphalt. When a batch plant is used, the hydrated lime shall be added to the mixture in the weigh hopper or as approved by the Engineer."

Basis of Payment. Replace the seventh paragraph of Article 406.14 of the Standard Specifications with the following:

"For mixes designed and verified under the Hamburg Wheel criteria, the cost of furnishing and introducing anti-stripping additives in the HMA will not be paid for separately, but shall be considered as included in the contract unit price of the HMA item involved.

If an anti-stripping additive is required for any other HMA mix, the cost of the additive will be paid for according to Article 109.04. The cost incurred in introducing the additive into the

HMA will not be paid for separately, but shall be considered as included in the contract unit price of the HMA item involved.

No additional compensation will be awarded to the Contractor because of reduced production rates associated with the addition of the anti-stripping additive."

80323

HOT MIX ASPHALT – PRIME COAT (BDE)

Effective: November 1, 2014

Revise Note 1 of Article 406.02 of the Standard Specifications to read:

"Note 1. The bituminous material used for prime coat shall be one of the types listed in the following table.

When emulsified asphalts are used, any dilution with water shall be performed by the emulsion producer. The emulsified asphalt shall be thoroughly agitated within 24 hours of application and show no separation of water and emulsion.

Application	Bituminous Material Types
Prime Coat on Brick, Concrete, or HMA Bases	SS-1, SS-1h, SS-1hP, SS-1vh, RS-1, RS-2, CSS-1, CSS-1h, CSS-1hp, CRS-1, CRS-2, HFE-90, RC-70
Prime Coat on Aggregate Bases	MC-30, PEP"

Add the following to Article 406.03 of the Standard Specifications.

"(i) Vacuum Sweeper 1101.19
(j) Spray Paver ..... 1102.06"

Revise Article 406.05(b) of the Standard Specifications to read:

"(b) Prime Coat. The bituminous material shall be prepared according to Article 403.05 and applied according to Article 403.10. The use of RC-70 shall be limited to air temperatures less than 60 °F (15 °C).

(1) Brick, Concrete or HMA Bases. The base shall be cleaned of all dust, debris and any substance that will prevent the prime coat from adhering to the base. Cleaning shall be accomplished by sweeping to remove all large particles and air blasting to remove dust. As an alternative to air blasting, a vacuum sweeper may be used to accomplish the dust removal. The base shall be free of standing water at the time of application. The prime coat shall be applied uniformly and at a rate that will provide a residual asphalt rate on the prepared surface as specified in the following table.

Type of Surface to be Primed	Residual Asphalt Rate lb/sq ft (kg/sq m)
Milled HMA, Aged Non-Milled HMA, Milled Concrete, Non-Milled Concrete & Tined Concrete	0.05 (0.244)
Fog Coat between HMA Lifts, IL-4.75 & Brick	0.025 (0.122)

The bituminous material for the prime coat shall be placed one lane at a time. If a spray paver is not used, the primed lane shall remain closed until the prime coat is

fully cured and does not pickup under traffic. When placing prime coat through an intersection where it is not possible to keep the lane closed, the prime coat may be covered immediately following its application with fine aggregate mechanically spread at a uniform rate of 2 to 4 lb/sq yd (1 to 2 kg/sq m).

(2) Aggregate Bases. The prime coat shall be applied uniformly and at a rate that will provide a residual asphalt rate on the prepared surface of 0.25 lb/sq ft ± 0.01 (1.21 kg/sq m ±0.05).

The prime coat shall be permitted to cure until the penetration has been approved by the Engineer, but at no time shall the curing period be less than 24 hours for MC-30 or four hours for PEP. Pools of prime occurring in the depressions shall be broomed or squeegeed over the surrounding surface the same day the prime coat is applied.

The base shall be primed 1/2 width at a time. The prime coat on the second half/width shall not be applied until the prime coat on the first half/width has cured so that it will not pickup under traffic.

The residual asphalt rate will be verified a minimum of once per type of surface to be primed as specified herein for which at least 2000 tons (1800 metric tons) of HMA will be placed. The test will be according to the "Determination of Residual Asphalt in Prime and Tack Coat Materials" test procedure.

Prime coat shall be fully cured prior to placement of HMA to prevent pickup by haul trucks or paving equipment. If pickup occurs, paving shall cease in order to provide additional cure time, and all areas where the pickup occurred shall be repaired.

If after five days, loss of prime coat is evident prior to covering with HMA, additional prime coat shall be placed as determined by the Engineer at no additional cost to the Department."

Revise the last sentence of the first paragraph of Article 406.13(b) of the Standard Specifications to read:

"Water added to emulsified asphalt, as allowed in Article 406.02, will not be included in the quantities measured for payment."

Revise the second paragraph of Article 406.13(b) of the Standard Specifications to read:

"Aggregate for covering prime coat will not be measured for payment."

Revise the first paragraph of Article 406.14 of the Standard Specifications to read:

"**406.14 Basis of Payment.** Prime Coat will be paid for at the contract unit price per pound (kilogram) of residual asphalt applied for BITUMINOUS MATERIALS (PRIME COAT), or POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)."

Revise Article 407.02 of the Standard Specifications to read:

"**407.02 Materials.** Materials shall be according to Article 406.02, except as follows.

Item	Article/Section
(a) Packaged Rapid Hardening Mortar or Concrete	1018"

Revise Article 407.06(b) of the Standard Specifications to read:

"(b) A bituminous prime coat shall be applied between each lift of HMA according to Article 406.05(b)."

Delete the second paragraph of Article 407.12 of the Standard Specifications.

Revise the first paragraph of Article 408.04 of the Standard Specifications to read:

"**408.04 Method of Measurement.** Bituminous priming material will be measured for payment according to Article 406.13."

Revise the first paragraph of Article 408.05 of the Standard Specifications to read:

"**408.05 Basis of Payment.** This work will be paid for at the contract unit price per pound (kilogram) of residual asphalt applied for BITUMINOUS MATERIALS (PRIME COAT) or POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) and at the contract unit price per ton (metric ton) for INCIDENTAL HOT-MIX ASPHALT SURFACING."

Revise Article 1032.02 of the Standard Specifications to read:

"**1032.02 Measurement.** Asphalt binders, emulsified asphalts, rapid curing liquid asphalt, medium curing liquid asphalts, slow curing liquid asphalts, asphalt fillers, and road oils will be measured by weight.

A weight ticket for each truck load shall be furnished to the inspector. The truck shall be weighed at a location approved by the Engineer. The ticket shall show the weight of the empty truck (the truck being weighed each time before it is loaded), the weight of the loaded truck, and the net weight of the bituminous material.

When an emulsion or cutback is used for prime coat, the percentage of asphalt residue of the actual certified product shall be shown on the producer's bill of lading or attached certificate of analysis. If the producer adds extra water to an emulsion at the request of the purchaser, the amount of water shall also be shown on the bill of lading.

Payment will not be made for bituminous materials in excess of 105 percent of the amount specified by the Engineer."

Add the following to the table in Article 1032.04 of the Standard Specifications.

"SS-1vh	160-180	70-80
RS-1, CRS-1	75-130	25-55"

Add the following to Article 1032.06 of the Standard Specifications.

"(g) Non Tracking Emulsified Asphalt SS-1vh shall be according to the following.

Requirements for SS-1vh			
Test		SPEC	AASHTO Test Method
Saybolt Viscosity @ 25C,	SFS	20-200	T 72
Storage Stability, 24hr.,	%	1 max.	T 59
Residue by Evaporation,	%	50 min.	T 59
Sieve Test,	%	0.3 max.	T 59
Tests on Residue from Evaporation			
Penetration @25°C, 100g., 5 sec., dmm		20 max.	T 49
Softening Point,	°C	65 min.	T 53
Solubility,	%	97.5 min.	T 44
Orig. DSR @ 82°C,	kPa	1.00 min.	T 315"

Revise the last table in Article 1032.06(f)(2)d. of the Standard Specifications to read:

"Grade	Use
SS-1, SS-1h, RS-1, RS-2, CSS-1, CRS-1, CRS-2, CSS-1h, HFE-90, SS-1hP, CSS-1hP, SS-1vh	Prime or fog seal
PEP	Bituminous surface treatment prime
RS-2, HFE-90, HFE-150, HFE- 300, CRSP, HFP, CRS-2, HFRS-2	Bituminous surface treatment
CSS-1h Latex Modified	Microsurfacing"

Add the following to Article 1101 of the Standard Specifications.

"**1101.19 Vacuum Sweeper.** The vacuum sweeper shall have a minimum sweeping path of 52 in. (1.3 m) and a minimum blower rating of 20,000 cu ft per minute (566 cu m per minute)."

Add the following to Article 1102 of the Standard Specifications:

"**1102.06 Spray Paver.** The spreading and finishing machine shall be capable of spraying a rapid setting emulsion tack coat, paving a layer of HMA, and providing a smooth HMA mat in one pass. The HMA shall be spread over the tack coat in less than five seconds after the

application of the tack coat during normal paving speeds. No wheel or other part of the paving machine shall come into contact with the tack coat before the HMA is applied. In addition to meeting the requirements of Article 1102.03, the spray paver shall also meet the requirements of Article 1102.05 for the tank, heating system, pump, thermometer, tachometer or synchronizer, and calibration. The spray bar shall be equipped with properly sized and spaced nozzles to apply a uniform application of tack coat at the specified rate for the full width of the mat being placed."

80348

LRFD STORM SEWER BURIAL TABLES (BDE)

Effective: November 1, 2013
Revised: November 1, 2014

Revise Article 550.02 of the Standard Specifications to read as follows:

"Item	Article Section
(a) Clay Sewer Pipe	1040.02
(b) Extra Strength Clay Pipe	1040.02
(c) Concrete Sewer, Storm Drain, and Culvert Pipe	1042
(d) Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe	1042
(e) Reinforced Concrete Elliptical Culvert, Storm Drain,and Sewer Pipe (Note 1)	1042
(f) Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe (Note 1)	1042
(g) Polyvinyl Chloride (PVC) Pipe	1040.03
(h) Corrugated Polyvinyl Chloride (PVC) Pipe with a Smooth Interior	1040.03
(i) Corrugated Polypropylene (CPP) Pipe with Smooth Interior	1040.07
(j) Rubber Gaskets and Preformed Flexible Joint Sealants for Concrete Pipe	1056
(k) Mastic Joint Sealer for Pipe	1055
(l) External Sealing Band	1057
(m) Fine Aggregate (Note 2)	1003.04
(n) Coarse Aggregate (Note 3)	1004.05
(o) Reinforcement Bars and Welded Wire Fabric	1006.10
(p) Handling Hole Plugs	1042.16
(q) Polyethylene (PE) Pipe with a Smooth Interior	1040.04
(r) Corrugated Polyethylene (PE) Pipe with a Smooth Interior	1040.04

Note 1. The class of elliptical and arch pipe used for various storm sewer sizes and heights of fill shall conform to the requirements for circular pipe.

Note 2. The fine aggregate shall be moist.

Note 3. The coarse aggregate shall be wet."

Revise the table for permitted materials in Article 550.03 of the Standard Specifications as follows:

"Class	**Materials**
A	Rigid Pipes: Clay Sewer Pipe Extra Strength Clay Pipe Concrete Sewer, Storm Drain, and Culvert Pipe Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe
B	Rigid Pipes: Clay Sewer Pipe Extra Strength Clay Pipe Concrete Sewer, Storm Drain, and Culvert Pipe Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe Flexible Pipes: Polyvinyl Chloride (PVC) Pipe Corrugated Polyvinyl Chloride Pipe (PVC) with a Smooth Interior Polyethylene (PE) Pipe with a Smooth Interior Corrugated Polyethylene (PE) Pipe with a Smooth Interior Corrugated Polypropylene (CPP) Pipe with a Smooth Interior"

Replace the storm sewers tables in Article 550.03 of the Standard Specifications with the following:

STORM SEWERS
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED
FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE

Nominal Diameter in.	Type 1 — Fill Height: 3' and less With 1' minimum cover								Type 2 — Fill Height: Greater than 3' not exceeding 10'							
	RCCP	CSP	ESCP	PVC	CPVC	PE	CPE	CPP	RCCP	CSP	ESCP	PVC	CPVC	PE	CPE	CPP
10	NA	3	X	X	X	X	X	NA	NA	1	*X	X	X	X	X	NA
12	IV	NA	X	X	X	X	X	X	II	1	*X	X	X	X	X	X
15	IV	NA	NA	X	X	NA	X	X	II	1	*X	X	X	NA	X	X
18	IV	NA	NA	X	X	X	X	X	II	2	X	X	X	X	X	X
21	III	NA	NA	X	X	NA	NA	NA	II	2	X	X	X	NA	NA	NA
24	III	NA	NA	X	X	X	X	X	II	2	X	X	X	X	X	X
27	III	NA	NA	NA	NA	NA	NA	NA	II	3	X	NA	NA	NA	NA	NA
30	IV	NA	NA	X	X	X	X	X	II	3	X	X	X	X	X	X
33	III	NA	NA	NA	NA	NA	NA	NA	II	NA	X	NA	NA	NA	NA	NA
36	III	NA	NA	X	X	X	X	X	II	NA	X	X	X	X	X	X
42	II	NA	X	X	NA	X	X	NA	II	NA	X	X	NA	X	NA	NA
48	II	NA	X	X	NA	X	X	X	II	NA	X	X	NA	X	NA	NA
54	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
60	II	NA	NA	NA	NA	NA	NA	X	II	NA	NA	NA	NA	NA	NA	X
66	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
72	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
78	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
84	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
90	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
96	II	NA	NA	NA	NA	NA	NA	NA	III	NA	NA	NA	NA	NA	NA	NA
102	II	NA	NA	NA	NA	NA	NA	NA	III	NA	NA	NA	NA	NA	NA	NA
108	II	NA	NA	NA	NA	NA	NA	NA	III	NA	NA	NA	NA	NA	NA	NA

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
CSP Concrete Sewer, Storm drain, and Culvert Pipe
PVC Polyvinyl Chloride Pipe
CPVC Corrugated Polyvinyl Chloride Pipe
ESCP Extra Strength Clay Pipe
PE Polyethylene Pipe with a Smooth Interior
CPE Corrugated Polyethylene Pipe with a Smooth Interior
CPP Corrugated Polypropylene pipe with a Smooth Interior

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 also use Standard Strength Clay Pipe

STORM SEWERS (Metric)
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED
FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE

Nominal Diameter in.	Type 1 — Fill Height: 1 m and less With 300 mm minimum cover								Type 2 — Fill Height: Greater than 1 m not exceeding 3 m							
	RCCP	CSP	ESCP	PVC	CPVC	PE	CPE	CPP	RCCP	CSP	ESCP	PVC	CPVC	PE	CPE	CPP
250	NA	3	X	X	X	X	X	NA	NA	1	*X	X	X	X	X	NA
300	IV	NA	X	X	X	X	X	X	II	1	*X	X	X	X	X	X
375	IV	NA	NA	X	X	NA	X	X	II	1	*X	X	X	NA	X	X
450	IV	NA	NA	X	X	X	X	X	II	2	X	X	X	X	X	X
525	III	NA	NA	X	X	NA	NA	NA	II	2	X	X	X	NA	NA	NA
600	III	NA	NA	X	X	X	X	X	II	2	X	X	X	X	X	X
675	III	NA	NA	NA	NA	NA	NA	NA	II	3	X	NA	NA	NA	NA	NA
750	IV	NA	NA	X	X	X	X	X	II	3	X	X	X	X	X	X
825	III	NA	NA	NA	NA	NA	NA	NA	II	NA	X	NA	NA	NA	NA	NA
900	III	NA	NA	X	X	X	X	X	II	NA	X	X	X	X	X	X
1050	II	NA	X	X	NA	X	X	NA	II	NA	X	X	NA	X	NA	NA
1200	II	NA	X	X	NA	X	X	X	II	NA	X	X	NA	X	NA	NA
1350	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
1500	II	NA	NA	NA	NA	NA	NA	X	II	NA	NA	NA	NA	NA	NA	X
1650	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
1800	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
1950	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
2100	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
2250	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
2400	II	NA	NA	NA	NA	NA	NA	NA	III	NA	NA	NA	NA	NA	NA	NA
2550	II	NA	NA	NA	NA	NA	NA	NA	III	NA	NA	NA	NA	NA	NA	NA
2700	II	NA	NA	NA	NA	NA	NA	NA	III	NA	NA	NA	NA	NA	NA	NA

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
CSP Concrete Sewer, Storm drain, and Culvert Pipe
PVC Polyvinyl Chloride Pipe
CPVC Corrugated Polyvinyl Chloride Pipe
ESCP Extra Strength Clay Pipe
PE Polyethylene Pipe with a Smooth Interior
CPE Corrugated Polyethylene Pipe with a Smooth Interior
CPP Corrugated Polypropylene pipe with a Smooth Interior
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 also use Standard Strength Clay Pipe

STORM SEWERS
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED
FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE

Nominal Diameter in.	Type 3 Fill Height: Greater than 10' not exceeding 15'								Type 4 Fill Height: Greater than 15' not exceeding 20'						
	RCCP	CSP	ESCP	PVC	CPVC	PE	CPE	CPP	RCCP	CSP	ESCP	PVC	CPVC	PE	CPP
10	NA	2	X	X	X	X	X	NA	NA	3	X	X	X	X	NA
12	III	2	X	X	X	X	NA	X	IV	NA	NA	X	X	X	NA
15	III	3	X	X	X	NA	NA	X	IV	NA	NA	X	X	NA	X
18	III	NA	X	X	X	X	NA	X	IV	NA	NA	X	X	X	NA
21	III	NA	NA	X	X	NA	NA	NA	IV	NA	NA	X	X	NA	NA
24	III	NA	NA	X	X	X	NA	NA	IV	NA	NA	X	X	X	NA
27	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
30	III	NA	NA	X	X	X	NA	X	IV	NA	NA	X	X	X	NA
33	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
36	III	NA	NA	X	X	X	NA	NA	IV	NA	NA	X	X	X	NA
42	III	NA	NA	X	NA	X	NA	NA	IV	NA	NA	X	NA	X	NA
48	III	NA	NA	X	NA	X	NA	NA	IV	NA	NA	X	NA	X	NA
54	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
60	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
66	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
72	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
78	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
84	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
90	III	NA	NA	NA	NA	NA	NA	NA	1680	NA	NA	NA	NA	NA	NA
96	III	NA	NA	NA	NA	NA	NA	NA	1690	NA	NA	NA	NA	NA	NA
102	III	NA	NA	NA	NA	NA	NA	NA	1700	NA	NA	NA	NA	NA	NA
108	1360	NA	NA	NA	NA	NA	NA	NA	1710	NA	NA	NA	NA	NA	NA

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
CSP Concrete Sewer, Storm drain, and Culvert Pipe
PVC Polyvinyl Chloride Pipe
CPVC Corrugated Polyvinyl Chloride Pipe
ESCP Extra Strength Clay Pipe
PE Polyethylene Pipe with a Smooth Interior
CPE Corrugated Polyethylene Pipe with a Smooth Interior
CPP Corrugated Polypropylene pipe with a Smooth Interior
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 also use Standard Strength Clay Pipe
Note RCCP with a number instead of a Roman numeral shall be furnished according to AASHTO M170 Section 6. This number represents the D-load to produce a 0.01 in crack.

STORM SEWERS (metric)
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED
FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE

Nominal Diameter in.	Type 3								Type 4						
	Fill Height: Greater than 3 m not exceeding 4.5 m								Fill Height: Greater than 4.5 m not exceeding 6 m						
	RCCP	CSP	ESCP	PVC	CPVC	PE	CPE	CPP	RCCP	CSP	ESCP	PVC	CPVC	PE	CPP
250	NA	2	X	X	X	X	X	NA	NA	3	X	X	X	X	NA
300	III	2	X	X	X	X	NA	X	IV	NA	NA	X	X	X	NA
375	III	3	X	X	X	NA	NA	X	IV	NA	NA	X	X	NA	X
450	III	NA	X	X	X	X	NA	X	IV	NA	NA	X	X	X	NA
525	III	NA	NA	X	X	NA	NA	NA	IV	NA	NA	X	X	NA	NA
600	III	NA	NA	X	X	X	NA	NA	IV	NA	NA	X	X	X	NA
675	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
750	III	NA	NA	X	X	X	NA	X	IV	NA	NA	X	X	X	NA
825	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
900	III	NA	NA	X	X	X	NA	NA	IV	NA	NA	X	X	X	NA
1050	III	NA	NA	X	NA	X	NA	NA	IV	NA	NA	X	NA	X	NA
1200	III	NA	NA	X	NA	X	NA	NA	IV	NA	NA	X	NA	X	NA
1350	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
1500	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
1650	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
1800	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
1950	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
2100	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
2250	III	NA	NA	NA	NA	NA	NA	NA	80	NA	NA	NA	NA	NA	NA
2400	III	NA	NA	NA	NA	NA	NA	NA	80	NA	NA	NA	NA	NA	NA
2550	III	NA	NA	NA	NA	NA	NA	NA	80	NA	NA	NA	NA	NA	NA
2700	70	NA	NA	NA	NA	NA	NA	NA	80	NA	NA	NA	NA	NA	NA

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
CSP Concrete Sewer, Storm drain, and Culvert Pipe
PVC Polyvinyl Chloride Pipe
CPVC Corrugated Polyvinyl Chloride Pipe
ESCP Extra Strength Clay Pipe
PE Polyethylene Pipe with a Smooth Interior
CPE Corrugated Polyethylene Pipe with a Smooth Interior
CPP Corrugated Polypropylene pipe with a Smooth Interior
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 also use Standard Strength Clay Pipe
Note RCCP with a number instead of a Roman numeral shall be furnished according to AASHTO M170 Section 6. This number represents the metric D-load to produce a 25.4 micro-meter crack.

STORM SEWERS
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED
FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE

Nominal Diameter in.	Type 5			Type 6			Type 7	
	Fill Height: Greater than 20' not exceeding 25'			Fill Height: Greater than 25' not exceeding 30'			Fill Height: Greater than 30' not exceeding 35'	
	RCCP	PVC	CPVC	RCCP	PVC	CPVC	RCCP	CPVC
10	NA	X	X	NA	X	X	NA	X
12	IV	X	X	V	X	X	V	X
15	IV	X	X	V	X	X	V	X
18	IV	X	X	V	X	X	V	X
21	IV	X	X	V	X	X	V	X
24	IV	X	X	V	X	X	V	X
27	IV	NA	NA	V	NA	NA	V	NA
30	IV	X	X	V	X	X	V	X
33	IV	NA	NA	V	NA	NA	V	NA
36	IV	X	X	V	X	X	V	X
42	IV	X	NA	V	X	NA	V	NA
48	IV	X	NA	V	X	NA	V	NA
54	IV	NA	NA	V	NA	NA	V	NA
60	IV	NA	NA	V	NA	NA	V	NA
66	IV	NA	NA	V	NA	NA	V	NA
72	V	NA	NA	V	NA	NA	V	NA
78	2020	NA	NA	2370	NA	NA	2730	NA
84	2020	NA	NA	2380	NA	NA	2740	NA
90	2030	NA	NA	2390	NA	NA	2750	NA
96	2040	NA	NA	2400	NA	NA	2750	NA
102	2050	NA	NA	2410	NA	NA	2760	NA
108	2060	NA	NA	2410	NA	NA	2770	NA

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
PVC Polyvinyl Chloride Pipe
CPVC Corrugated Polyvinyl Chloride Pipe
ESCP Extra Strength Clay 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.
Note RCCP with a number instead of a Roman numeral shall be furnished according to AASHTO M170 Section 6. This number represents the D-load to produce a 0.01 in crack.

STORM SEWERS (metric) KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE								
Nominal Diameter in.	Type 5			Type 6			Type 7	
	Fill Height: Greater than 20' not exceeding 25'			Fill Height: Greater than 25' not exceeding 30'			Fill Height: Greater than 30' not exceeding 35'	
	RCCP	PVC	CPVC	RCCP	PVC	CPVC	RCCP	CPVC
250	NA	X	X	NA	X	X	NA	X
300	IV	X	X	V	X	X	V	X
375	IV	X	X	V	X	X	V	X
450	IV	X	X	V	X	X	V	X
525	IV	X	X	V	X	X	V	X
600	IV	X	X	V	X	X	V	X
675	IV	NA	NA	V	NA	NA	V	NA
750	IV	X	X	V	X	X	V	X
825	IV	NA	NA	V	NA	NA	V	NA
900	IV	X	X	V	X	X	V	X
1050	IV	X	NA	V	X	NA	V	NA
1200	IV	X	NA	V	X	NA	V	NA
1350	IV	NA	NA	V	NA	NA	V	NA
1500	IV	NA	NA	V	NA	NA	V	NA
1650	IV	NA	NA	V	NA	NA	V	NA
1800	V	NA	NA	V	NA	NA	V	NA
1950	100	NA	NA	110	NA	NA	130	NA
2100	100	NA	NA	110	NA	NA	130	NA
2250	100	NA	NA	110	NA	NA	130	NA
2400	100	NA	NA	120	NA	NA	130	NA
2550	100	NA	NA	120	NA	NA	130	NA
2700	100	NA	NA	120	NA	NA	130	NA

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
PVC Polyvinyl Chloride Pipe
CPVC Corrugated Polyvinyl Chloride Pipe
ESCP Extra Strength Clay 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.
Note RCCP with a number instead of a Roman numeral shall be furnished according to AASHTO M170 Section 6. This number represents the metric D-load to produce a 25.4 micro-meter crack.

Revise the sixth paragraph of Article 550.06 of the Standard Specifications to read:

"PVC, PE and CPP pipes shall be joined according to the manufacturer's specifications."

Revise the first and second paragraphs of Article 550.08 of the Standard Specifications to read:

"**550.08 Deflection Testing for Storm Sewers.** All PVC, PE, and CPP storm sewers 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.

For PVC, PE, and CPP storm sewers with diameters 24 in. (600 mm) or smaller, a mandrel drag shall be used for deflection testing. For PVC, PE, and CPP storm sewers with diameters over 24 in. (600 mm), deflection measurements other than by a mandrel shall be used."

Revise the fifth paragraph of Article 550.08 to read as follows.

"The outside diameter of the mandrel shall be 95 percent of the base inside diameter. For all PVC pipe the base inside diameter shall be defined using ASTM D 3034 methodology. For all PE and CPP pipe, the base inside diameter shall be defined as the average inside diameter based on the minimum and maximum tolerances specified in the corresponding ASTM or AASHTO material specifications."

Revise the first paragraph of Article 1040.03 of the Standard Specifications to read:

"**1040.03 Polyvinyl Chloride (PVC) Pipe.** Acceptance testing of PVC pipe and fittings shall be accomplished during the same construction season in which they are installed. The section properties shall be according to the manufacturer pre-submitted geometric properties on file with the Department. The manufacturer shall submit written certification that the material meets those properties. The pipe shall meet the following additional requirements."

Delete Articles 1040.03(e) and (f) of the Standard Specifications.

Revise Articles 1040.04(c) and (d) of the Standard Specifications to read:

"(c) PE Profile Wall Pipe for Insertion Lining. The pipe shall be according to ASTM F 894. When used for insertion lining of pipe culverts, the pipe liner shall have a minimum pipe stiffness of 46 psi (317 kPa) at five percent deflection for nominal inside diameters of 42 in. (1050 mm) or less. For nominal inside diameters of greater than 42 in. (1050 mm), the pipe liner shall have a minimum pipe stiffness of 32.5 psi (225 kPa) at five percent deflection. All sizes shall have wall construction that presents essentially smooth internal and external surfaces.

(d) PE Pipe with a Smooth Interior. The pipe shall be according to ASTM F 714 (DR 32.5) with a minimum cell classification of PE 335434 as defined in ASTM D 3350. The section properties shall be according to the manufacturer pre-submitted geometric properties on file with the Department. The manufacturer shall submit written

certification that the material meets those properties and the resin used to manufacture the pipe meets or exceeds the minimum cell classification requirements."

Add the following to Section 1040 of the Standard Specifications:

"**1040.08 Polypropylene (PP) Pipe.** Storage and handling shall be according to the manufacturer's recommendations, except in no case shall the pipe be exposed to direct sunlight for more than six months. Acceptance testing of the pipe shall be accomplished during the same construction season in which it is installed. The section properties shall be according to the manufacturer pre-submitted geometric properties on file with the Department. The manufacturer shall submit written certification that the material meets those properties. The pipe shall meet the following additional requirements.

(a) Corrugated PP Pipe with a Smooth Interior. The pipe shall be according to AAHSTO M 330 (nominal size – 12 to 60 in. (300 to 1500 mm)). The pipe shall be Type S or D.

(b) Perforated Corrugated PP Pipe with A Smooth Interior. The pipe shall be according to AASHTO M 330 (nominal size – 12 to 60 in. (300 to 1500 mm)). The pipe shall be Type SP. In addition, the top centerline of the pipe shall be marked so that it is readily visible from the top of the trench before backfilling, and the upper ends of the slot perforations shall be a minimum of ten degrees below the horizontal."

80325

PAYROLLS AND PAYROLL RECORDS (BDE)

Effective: January 1, 2014

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

"STATEMENTS AND PAYROLLS

The payroll records shall include the worker's name, the worker's address, the worker's telephone number when available, the worker's social security number, the worker's classification or classifications, the worker's gross and net wages paid in each pay period, the worker's number of hours worked each day, the worker's starting and ending times of work each day. However, any Contractor or subcontractor who remits contributions to a fringe benefit fund that is not jointly maintained and jointly governed by one or more employers and one or more labor organization must additionally submit the worker's hourly wage rate, the worker's hourly overtime wage rate, the worker's hourly fringe benefit rates, the name and address of each fringe benefit fund, the plan sponsor of each fringe benefit, if applicable, and the plan administrator of each fringe benefit, if applicable.

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

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

"IV. COMPLIANCE WITH THE PREVAILING WAGE ACT

1. Prevailing Wages. All wages paid by the Contractor and each subcontractor shall be in compliance with The Prevailing Wage Act (820 ILCS 130), as amended, except where a prevailing wage violates a federal law, order, or ruling, the rate conforming to the federal law, order, or ruling shall govern. The Contractor shall be responsible to notify each subcontractor of the wage rates set forth in this contract and any revisions thereto. If the Department of Labor revises the wage rates, the Contractor will not be allowed additional compensation on account of said revisions.

2. Payroll Records. The Contractor and each subcontractor shall make and keep, for a period of five years from the later of the date of final payment under the contract or completion of the contract, records of the wages paid to his/her workers. The payroll

records shall include the worker's name, the worker's address, the worker's telephone number when available, the worker's social security number, the worker's classification or classifications, the worker's gross and net wages paid in each pay period, the worker's number of hours worked each day, the worker's starting and ending times of work each day. However, any contractor or subcontractor who remits contributions to a fringe benefit fund that is not jointly maintained and jointly governed by one or more employers and one or more labor organization must additionally submit the worker's hourly wage rate, the worker's hourly overtime wage rate, the worker's hourly fringe benefit rates, the name and address of each fringe benefit fund, the plan sponsor of each fringe benefit, if applicable, and the plan administrator of each fringe benefit, if applicable. Upon seven business days' notice, these records shall be available at a location within the State, during reasonable hours, for inspection by the Department or the Department of Labor; and Federal, State, or local law enforcement agencies and prosecutors.

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

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

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

80331

PORTLAND CEMENT CONCRETE EQUIPMENT (BDE)

Effective: November 1, 2013

Add the following to the first paragraph of Article 1103.03(a)(5) of the Standard Specifications to read:

> "As an alternative to a locking key, the start and finish time for mixing may be automatically printed on the batch ticket. The start and finish time shall be reported to the nearest second."

80326

PROGRESS PAYMENTS (BDE)

Effective: November 2, 2013

Revise Article 109.07(a) of the Standard Specifications to read:

"(a) Progress Payments. At least once each month, the Engineer will make a written estimate of the quantity of work performed in accordance with the contract, and the value thereof at the contract unit prices. The amount of the estimate approved as due for payment will be vouchered by the Department and presented to the State Comptroller for payment. No amount less than $1000.00 will be approved for payment other than the final payment.

Progress payments may be reduced by liens filed pursuant to Section 23(c) of the Mechanics' Lien Act, 770 ILCS 60/23(c).

If a Contractor or subcontractor has defaulted on a loan issued under the Department's Disadvantaged Business Revolving Loan Program (20 ILCS 2705/2705-610), progress payments may be reduced pursuant to the terms of that loan agreement. In such cases, the amount of the estimate related to the work performed by the Contractor or subcontractor, in default of the loan agreement, will be offset, in whole or in part, and vouchered by the Department to the Working Capital Revolving Fund or designated escrow account. Payment for the work shall be considered as issued and received by the Contractor or subcontractor on the date of the offset voucher. Further, the amount of the offset voucher shall be a credit against the Department's obligation to pay the Contractor, the Contractor's obligation to pay the subcontractor, and the Contractor's or subcontractor's total loan indebtedness to the Department. The offset shall continue until such time as the entire loan indebtedness is satisfied. The Department will notify the Contractor and Fund Control Agent in a timely manner of such offset. The Contractor or subcontractor shall not be entitled to additional payment in consideration of the offset.

The failure to perform any requirement, obligation, or term of the contract by the Contractor shall be reason for withholding any progress payments until the Department determines that compliance has been achieved."

80328

RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES (BDE)

Effective: November 1, 2012
Revise: April 1, 2014

Revise Section 1031 of the Standard Specifications to read:

"SECTION 1031. RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES

1031.01 Description. Reclaimed asphalt pavement and reclaimed asphalt shingles shall be according to the following.

(a) Reclaimed Asphalt Pavement (RAP). RAP is the material produced by cold milling or crushing an existing 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.

(b) Reclaimed Asphalt Shingles (RAS). Reclaimed asphalt shingles (RAS). RAS is from the processing and grinding of preconsumer or post-consumer shingles. RAS shall be a clean and uniform material with a maximum of 0.5 percent unacceptable material, as defined in Bureau of Materials and Physical Research Policy Memorandum "Reclaimed Asphalt Shingle (RAS) Sources", by weight of RAS. All RAS used shall come from a Bureau of Materials and Physical Research approved processing facility where it shall be ground and processed to 100 percent passing the 3/8 in. (9.5 mm) sieve and 93 percent passing the #4 (4.75 mm) sieve based on a dry shake gradation. RAS shall be uniform in gradation and asphalt binder content and shall meet the testing requirements specified herein. In addition, RAS shall meet the following Type 1 or Type 2 requirements.

(1) Type 1. Type 1 RAS shall be processed, preconsumer asphalt shingles salvaged from the manufacture of residential asphalt roofing shingles.

(2) Type 2. Type 2 RAS shall be processed post-consumer shingles only, salvaged from residential, or four unit or less dwellings not subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP).

1031.02 Stockpiles. RAP and RAS stockpiles shall be according to the following.

(a) RAP 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 provide documentation on the quality of the RAP to clarify the appropriate stockpile.

(1) Fractionated RAP (FRAP). FRAP shall consist of RAP from Class I, HMA (High and Low ESAL) 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 shall pass the sieve size specified below for the mix into which the FRAP will be incorporated.

Mixture FRAP will be used in:	Sieve Size that 100% of FRAP Shall Pass
IL-25.0	2 in. (50 mm)
IL-19.0	1 1/2 in. (40 mm)
IL-12.5	1 in. (25 mm)
IL-9.5	3/4 in. (20 mm)
IL-4.75	1/2 in. (13 mm)

(2) Homogeneous. Homogeneous RAP stockpiles shall consist of RAP from Class I, HMA (High and Low ESAL) 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.

(3) Conglomerate. Conglomerate RAP stockpiles shall consist of RAP from Class I, HMA (High and Low ESAL) 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.

(4) Conglomerate "D" Quality (DQ). Conglomerate DQ RAP stockpiles shall consist of RAP from Class I, HMA (High or Low ESAL), or "All Other" (as defined by Article 1030.04(a)(3)) 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.

(5) 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.

(b) RAS Stockpiles. Type 1 and Type 2 RAS shall be stockpiled separately and shall not be intermingled. Each stockpile shall be signed indicating what type of RAS is present.

Unless otherwise specified by the Engineer, mechanically blending manufactured sand (FM 20 or FM 22) up to an equal weight of RAS with the processed RAS will be permitted to improve workability. The sand shall be "B Quality" or better from an approved Aggregate Gradation Control System source. The sand shall be accounted for in the mix design and during HMA production.

Records identifying the shingle processing facility supplying the RAS, RAS type and lot number shall be maintained by project contract number and kept for a minimum of three years.

1031.03 Testing. RAP/FRAP and RAS testing shall be according to the following.

(a) RAP/FRAP Testing. When used in HMA, the RAP/FRAP shall be sampled and tested either during or after stockpiling.

(1) During 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).

(2) After Stockpiling. 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.

Each sample shall be split to obtain two equal 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.

(b) RAS Testing. RAS or RAS blended with manufactured sand shall be sampled and tested during stockpiling according to Illinois Department of Transportation Policy Memorandum, "Reclaimed Asphalt Shingle (RAS) Source".

Samples shall be collected during stockpiling at the minimum frequency of one sample per 200 tons (180 metric tons) for the first 1000 tons (900 metric tons) and one sample per 250 tons (225 metric tons) thereafter. A minimum of five samples are required for stockpiles less than 1000 tons (900 metric tons). Once a ≤ 1000 ton (900 metric ton), five-sample/test stockpile has been established it shall be sealed. Additional incoming RAS or RAS blended with manufactured sand shall be stockpiled in a separate working pile as designated in the Quality Control plan and only added to the sealed stockpile when the test results of the working pile are complete and are found to meet the tolerances specified herein for the original sealed RAS stockpile.

Before testing, each sample shall be split to obtain two test samples. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall perform a washed extraction and test for unacceptable materials on the other test sample according to Department procedures. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

If the sampling and testing was performed at the shingle processing facility in accordance with the QC Plan, the Contractor shall obtain and make available all of the test results from start of the initial stockpile.

1031.04 Evaluation of Tests. Evaluation of tests results shall be according to the following.

(a) Evaluation of RAP/FRAP 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 and/or asphalt binder content tests are out of the above 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)".

(b) Evaluation of RAS and RAS Blended with Manufactured Sand Test Results. All of the test results, with the exception of percent unacceptable materials, shall be compiled and averaged for asphalt binder content and gradation. Individual test results, when compared to the averages, will be accepted if within the tolerances listed below.

Parameter	RAS
No. 8 (2.36 mm)	± 5 %
No. 16 (1.18 mm)	± 5 %
No. 30 (600 µm)	± 4 %
No. 200 (75 µm)	± 2.0 %
Asphalt Binder Content	± 1.5 %

If more than 20 percent of the individual sieves and/or asphalt binder content tests are out of the above tolerances, or if the percent unacceptable material exceeds 0.5 percent by weight of material retained on the # 4 (4.75 mm) sieve, the RAS or RAS blend shall not be used in Department projects. All test data and acceptance ranges shall be sent to the District for evaluation.

1031.05 Quality Designation of Aggregate in RAP/FRAP.

(a) RAP. 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/HMA (High ESAL), or (Low ESAL) IL-9.5L surface mixtures are designated as containing Class B quality coarse aggregate.

(2) RAP from Superpave/HMA (Low ESAL) IL-19.0L binder mixture is designated as Class D quality coarse aggregate.

(3) RAP from Class I, Superpave/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) FRAP. 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 as follows. Coarse and fine FRAP stockpiles containing plus #4 (4.75 mm) sieve coarse aggregate shall have a maximum tonnage of 5,000 tons (4,500 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.

1031.06 Use of RAP/FRAP and/or RAS in HMA. The use of RAP/FRAP and/or RAS shall be a Contractor's option when constructing HMA in all contracts.

(a) RAP/FRAP. The use of RAP/FRAP in HMA shall be as follows.

(1) 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.

(2) Steel Slag Stockpiles. Homogeneous RAP stockpiles containing steel slag will be approved for use in all HMA (High ESAL and Low ESAL) Surface and Binder Mixture applications.

(3) 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. RAP/FRAP from Conglomerate stockpiles shall be considered equivalent to limestone for frictional considerations. Known frictional contributions from plus #4 (4.75 mm) homogeneous RAP and FRAP stockpiles will be accounted for in meeting frictional requirements in the specified mixture.

(4) 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.

(5) 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.

(6) When the Contractor chooses the RAP option, the percentage of RAP shall not exceed the amounts indicated in Article 1031.06(c)(1) below for a given N Design.

(b) RAS. RAS meeting Type 1 or Type 2 requirements will be permitted in all HMA applications as specified herein.

(c) RAP/FRAP and/or RAS Usage Limits. Type 1 or Type 2 RAS may be used alone or in conjunction with RAP or FRAP in HMA mixtures up to a maximum of 5.0% by weight of the total mix.

(1) RAP/RAS. When RAP is used alone or RAP is used in conjunction with RAS, the percentage of virgin asphalt binder replacement shall not exceed the amounts listed in the Max RAP/RAS ABR table listed below for the given Ndesign.

RAP/RAS Maximum Asphalt Binder Replacement (ABR) Percentage

HMA Mixtures 1/, 2/	RAP/RAS Maximum ABR %		
Ndesign	Binder/Leveling Binder	Surface	Polymer Modified
30	30	30	10
50	25	15	10
70	15	10	10
90	10	10	10
105	10	10	10

1/ For HMA "All Other" (shoulder and stabilized subbase) N-30, the RAP/RAS ABR shall not exceed 50 percent of the mixture.

2/ When RAP/RAS ABR exceeds 20 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR 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 high and low virgin asphalt binder grades shall each be reduced by one grade when RAP/RAS ABR exceeds 25 percent (i.e. 26 percent RAP/RAS ABR would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

(2) FRAP/RAS. When FRAP is used alone or FRAP is used in conjunction with RAS, the percentage of virgin asphalt binder replacement shall not exceed the amounts listed in the FRAP/RAS table listed below for the given N design.

FRAP/RAS Maximum Asphalt Binder Replacement (ABR) Percentage

HMA Mixtures 1/, 2/	FRAP/RAS Maximum ABR %		
Ndesign	Binder/Leveling Binder	Surface	Polymer Modified 3/, 4/
30	50	40	10

50	40	35	10
70	40	30	10
90	40	30	10
105	40	30	10

1/ For HMA "All Other" (shoulder and stabilized subbase) N30, the FRAP/RAS ABR shall not exceed 50 percent of the mixture.

2/ When FRAP/RAS ABR exceeds 20 percent for all mixes the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR 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 high and low virgin asphalt binder grades shall each be reduced by one grade when FRAP/RAS ABR exceeds 25 percent (i.e. 26 percent ABR would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

3/ For SMA the FRAP/RAS ABR shall not exceed 20 percent.

4/ For IL-4.75 mix the FRAP/RAS ABR shall not exceed 30 percent.

1031.07 HMA Mix Designs. At the Contractor's option, HMA mixtures may be constructed utilizing RAP/FRAP and/or RAS material meeting the detailed requirements specified herein.

(a) RAP/FRAP and/or RAS. RAP/FRAP and/or RAS mix designs shall be submitted for 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.

(b) RAS. Type 1 and Type 2 RAS are not interchangeable in a mix design. A RAS stone bulk specific gravity (Gsb) of 2.500 shall be used for mix design purposes.

1031.08 HMA Production. HMA production utilizing RAP/FRAP and/or RAS shall be as follows.

(a) RAP/FRAP. The coarse aggregate in all RAP/FRAP 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.

(b) RAS. RAS shall be incorporated into the HMA mixture either by a separate weight depletion system or by using the RAP weigh belt. Either feed system shall be interlocked with the aggregate feed or weigh system to maintain correct proportions for all rates of production and batch sizes. The portion of RAS shall be controlled accurately to within ± 0.5 percent of the amount of RAS utilized. When using the weight depletion system, flow indicators or sensing devices shall be provided and interlocked with the plant controls such that the mixture production is halted when RAS flow is interrupted.

(c) RAP/FRAP and/or RAS. HMA plants utilizing RAP/FRAP and/or RAS shall be capable of automatically recording and printing the following information.

(1) Dryer Drum Plants.

a. Date, month, year, and time to the nearest minute for each print.

b. HMA mix number assigned by the Department.

c. Accumulated weight of dry aggregate (combined or individual) in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).

d. Accumulated dry weight of RAP/FRAP/RAS in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).

e. Accumulated mineral filler in revolutions, tons (metric tons), etc. to the nearest 0.1 unit.

f. Accumulated asphalt binder in gallons (liters), tons (metric tons), etc. to the nearest 0.1 unit.

g. Residual asphalt binder in the RAP/FRAP material as a percent of the total mix to the nearest 0.1 percent.

h. 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.)

(2) Batch Plants.

a. Date, month, year, and time to the nearest minute for each print.

b. HMA mix number assigned by the Department.

c. Individual virgin aggregate hot bin batch weights to the nearest pound (kilogram).

d. Mineral filler weight to the nearest pound (kilogram).

e. RAP/FRAP/RAS weight to the nearest pound (kilogram).

f. Virgin asphalt binder weight to the nearest pound (kilogram).

g. Residual asphalt binder in the RAP/FRAP/RAS 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.

1031.09 RAP in Aggregate Surface Course and Aggregate Shoulders. The use of RAP in aggregate surface course (temporary access entrances only) and aggregate wedge shoulders Type B 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. RAP used to construct aggregate surface course and aggregate shoulders shall be according to the current Bureau of Materials and Physical Research's Policy Memorandum, "Reclaimed Asphalt Pavement (RAP) for Aggregate Applications".

(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."

80306

REINFORCEMENT BARS (BDE)

Effective: November 1, 2013

Revise the first and second paragraphs of Article 508.05 of the Standard Specifications to read:

"**508.05 Placing and Securing.** All reinforcement bars shall be placed and tied securely at the locations and in the configuration shown on the plans prior to the placement of concrete. Manual welding of reinforcement may only be permitted or precast concrete products as indicated in the current Bureau of Materials and Physical Research Policy Memorandum "Quality Control / Quality Assurance Program for Precast Concrete Products", and for precast prestressed concrete products as indicated in the Department's current "Manual for Fabrication of Precast Prestressed Concrete Products". Reinforcement bars shall not be placed by sticking or floating into place or immediately after placement of the concrete.

Bars shall be tied at all intersections, except where the center to center dimension is less than 1 ft (300 mm) in each direction, in which case alternate intersections shall be tied. Molded plastic clips may be used in lieu of wire to secure bar intersections, but shall not be permitted in horizontal bar mats subject to construction foot traffic or to secure longitudinal bar laps. Plastic clips shall adequately secure the reinforcement bars, and shall permit the concrete to flow through and fully encase the reinforcement. Plastic clips may be recycled plastic, and shall meet the approval of the Engineer. The number of ties as specified shall be doubled for lap splices at the stage construction line of concrete bridge decks when traffic is allowed on the first completed stage during the pouring of the second stage."

Revise the fifth paragraph of Article 508.05 of the Standard Specifications to read:

"Supports for reinforcement in bridge decks shall be metal. For all other concrete construction the supports shall be metal or plastic. Metal bar supports shall be made of cold-drawn wire, or other approved material and shall be either epoxy coated, galvanized or plastic tipped. When the reinforcement bars are epoxy coated, the metal supports shall be epoxy coated. Plastic supports may be recycled plastic. Supports shall be provided in sufficient number and spaced to provide the required clearances. Supports shall adequately support the reinforcement bars, and shall permit the concrete to flow through and fully encase the reinforcement. The legs of supports shall be spaced to allow an opening that is a minimum 1.33 times the nominal maximum aggregate size used in the concrete. Nominal maximum aggregate size is defined as the largest sieve which retains any of the aggregate sample particles. All supports shall meet the approval of the Engineer."

Revise the first sentence of the eighth paragraph of Article 508.05 of the Standard Specifications to read:

"Epoxy coated reinforcement bars shall be tied with plastic coated wire, epoxy coated wire, or molded plastic clips where allowed."

Add the following sentence to the end of the first paragraph of Article 508.06(c) of the Standard Specifications:

"In addition, the total slip of the bars within the splice sleeve of the connector after loading in tension to 30 ksi (207 MPa) and relaxing to 3 ksi (20.7 MPa) shall not exceed 0.01 in. (254 microns)."

Revise Article 1042.03(d) of the Standard Specifications to read:

"(d) Reinforcement and Accessories: The concrete cover over all reinforcement shall be within ±1/4 in. (±6 mm) of the specified cover.

Welded wire fabric shall be accurately bent and tied in place.

Miscellaneous accessories to be cast into the concrete or for forming holes and recesses shall be carefully located and rigidly held in place by bolts, clamps, or other effective means. If paper tubes are used for vertical dowel holes, or other vertical holes which require grouting, they shall be removed before transportation to the construction site."

80327

REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES (BDE)

Effective: January 1, 2012
Revised: November 2, 2012

Revise Article 669.01 of the Standard Specifications to read:

"**669.01 Description.** This work shall consist of the transportation and proper disposal of contaminated soil and water. This work shall also consist of the removal, transportation, and proper disposal of underground storage tanks (UST), their content and associated underground piping to the point where the piping is above the ground, including determining the content types and estimated quantities."

Revise Article 669.08 of the Standard Specifications to read:

"**669.08 Contaminated Soil and/or Groundwater Monitoring.** The Contractor shall hire a qualified environmental firm to monitor the area containing the regulated substances. The affected area shall be monitored with a photoionization detector (PID) utilizing a lamp of 10.6eV or greater or a flame ionization detector (FID). Any field screen reading on the PID or FID in excess of background levels indicates the potential presence of contaminated material requiring handling as a non-special waste, special waste, or hazardous waste. No excavated soils can be taken to a clean construction and demolition debris (CCDD) facility or an uncontaminated soil fill operation with detectable PID or FID meter readings that are above background. The PID or FID meter shall be calibrated on-site and background level readings taken and recorded daily. All testing shall be done by a qualified engineer/technician. Such testing and monitoring shall be included in the work. The Contractor shall identify the exact limits of removal of non-special waste, special waste, or hazardous waste. All limits shall be approved by the Engineer prior to excavation. The Contractor shall take all necessary precautions.

Based upon the land use history of the subject property and/or PID or FID readings indicating contamination, a soil or groundwater sample shall be taken from the same location and submitted to an approved laboratory. Soil or groundwater samples shall be analyzed for the contaminants of concern, including pH, based on the property's land use history or the parameters listed in the maximum allowable concentration (MAC) for chemical constituents in uncontaminated soil established pursuant to Subpart F of 35 Illinois Administrative Code 1100.605. The analytical results shall serve to document the level of soil contamination. Soil and groundwater samples may be required at the discretion of the Engineer to verify the level of soil and groundwater contamination.

Samples shall be grab samples (not combined with other locations). The samples shall be taken with decontaminated or disposable instruments. The samples shall be placed in sealed containers and transported in an insulated container to the laboratory. The container shall maintain a temperature of 39 °F (4 °C). All samples shall be clearly labeled. The labels shall indicate the sample number, date sampled, location and elevation, and any other observations.

The laboratory shall use analytical methods which are able to meet the lowest appropriate practical quantitation limits (PQL) or estimated quantitation limit (EQL) specified in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods", EPA Publication No. SW-846 and "Methods for the Determination of Organic Compounds in Drinking Water", EPA, EMSL, EPA-600/4-88/039. For parameters where the specified cleanup objective is below the acceptable detection limit (ADL), the ADL shall serve as the cleanup objective. For other parameters the ADL shall be equal to or below the specified cleanup objective."

Replace the first two paragraphs of Article 669.09 of the Standard Specifications with the following:

"**669.09 Contaminated Soil and/or Groundwater Management and Disposal.** The management and disposal of contaminated soil and/or groundwater shall be according to the following:

(a) Soil Analytical Results Exceed Most Stringent MAC. When the soil analytical results indicate that detected levels exceed the most stringent maximum allowable concentration (MAC) for chemical constituents in uncontaminated soil established pursuant to Subpart F of 35 Illinois Administrative Code 1100.605, the soil shall be managed as follows:

(1) When analytical results indicate inorganic chemical constituents exceed the most stringent MAC but they are still considered within area background levels by the Engineer, the excavated soil can be utilized within the construction limits as fill, when suitable. Such soil excavated for storm sewers can be placed back into the excavated trench as backfill, when suitable, unless trench backfill is specified. If the soils cannot be utilized within the construction limits, they shall be managed and disposed of off-site as a non-special waste, special waste, or hazardous waste as applicable.

(2) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for a Metropolitan Statistical Area (MSA) County, the excavated soil can be utilized within the construction limits as fill, when suitable, or managed and disposed of off-site as "uncontaminated soil" at a CCDD facility or an uncontaminated soil fill operation within an MSA County provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.

(3) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for an MSA County excluding Chicago, or the MAC within the Chicago corporate limits, the excavated soil can be utilized within the construction limits as fill, when suitable, or managed and disposed of off-site as "uncontaminated soil" at a CCDD facility or an uncontaminated soil fill operation within an MSA County excluding Chicago or within the Chicago corporate limits provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.

(4) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for an MSA County excluding Chicago, the excavated soil can be utilized within the construction limits as fill, when suitable, or managed and disposed of off-site as "uncontaminated soil" at a CCDD facility or an uncontaminated soil fill operation within an MSA County excluding Chicago provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.

(5) When the Engineer determines soil cannot be managed according to Articles 669.09(a)(1) through (a)(4) above, the soil shall be managed and disposed of off-site as a non-special waste, special waste, or hazardous waste as applicable.

(b) Soil Analytical Results Do Not Exceed Most Stringent MAC. When the soil analytical results indicate that detected levels do not exceed the most stringent MAC but the pH of the soil is less than 6.25 or greater than 9.0, the excavated soil can be utilized within the construction limits or managed and disposed of off-site as "uncontaminated soil" according to Article 202.03. However the excavated soil cannot be taken to a CCDD facility or an uncontaminated soil fill operation.

(c) Groundwater. When groundwater analytical results indicate the detected levels are above Appendix B, Table E of 35 Illinois Administrative Code 742, the most stringent Tier 1 Groundwater Remediation Objectives for Groundwater Component of the Groundwater Ingestion Route for Class 1 groundwater, the groundwater shall be managed off-site as a special waste.

All groundwater encountered within lateral trenches may be managed within the trench and allowed to infiltrate back into the ground. If the groundwater cannot be managed within the trench it must be removed as a special or hazardous waste. The Contractor is prohibited from managing groundwater within the trench by discharging it through any existing or new storm sewer. The Contractor shall install backfill plugs within the area of groundwater contamination.

One backfill plug shall be placed down gradient to the area of groundwater contamination. Backfill plugs shall be installed at intervals not to exceed 50 ft (15 m). Backfill plugs are to be 4 ft (1.2 m) long, measured parallel to the trench, full trench width and depth. Backfill plugs shall not have any fine aggregate bedding or backfill, but shall be entirely cohesive soil or any class of concrete. The Contractor shall provide test data that the material has a permeability of less than 10^{-7} cm/sec according to ASTM D 5084, Method A or per another test method approved by the Engineer."

Revise Article 669.14 of the Standard Specifications to read:

"**669.14 Final Environmental Construction Report.** At the end of the project, the Contractor will prepare and submit three copies of the Environmental Construction Report on the activities conducted during the life of the project, one copy shall be submitted to the Resident Engineer, one copy shall be submitted to the District's Environmental Studies Unit, and one copy shall be submitted with an electronic copy in Adode.pdf format to the Geologic

and Waste Assessment Unit, Bureau of Design and Environment, IDOT, 2300 South Dirksen Parkway, Springfield, Illinois 62764. The technical report shall include all pertinent information regarding the project including, but not limited to:

(a) Measures taken to identify, monitor, handle, and dispose of soil or groundwater containing regulated substances, to prevent further migration of regulated substances, and to protect workers,

(b) Cost of identifying, monitoring, handling, and disposing of soil or groundwater containing regulated substances, the cost of preventing further migration of regulated substances, and the cost for worker protection from the regulated substances. All cost should be in the format of the contract pay items listed in the contract plans (identified by the preliminary environmental site investigation (PESA) site number),

(c) Plan sheets showing the areas containing the regulated substances,

(d) Field sampling and testing results used to identify the nature and extent of the regulated substances,

(e) Waste manifests (identified by the preliminary environmental site investigation (PESA) site number) for special or hazardous waste disposal, and

(f) Landfill tickets (identified by the preliminary environmental site investigation (PESA) site number) for non-special waste disposal."

Revise the second paragraph of Article 669.16 of the Standard Specifications to read:

"The transportation and disposal of soil and other materials from an excavation determined to be contaminated will be paid for at the contract unit price per cubic yard (cubic meter) for NON-SPECIAL WASTE DISPOSAL, SPECIAL WASTE DISPOSAL, or HAZARDOUS WASTE DISPOSAL."

80283

REMOVAL AND DISPOSAL OF SURPLUS MATERIALS (BDE)

Effective: November 2, 2012

Revise the first four paragraphs of Article 202.03 of the Standard Specifications to read:

"**202.03 Removal and Disposal of Surplus, Unstable, Unsuitable, and Organic Materials.** Suitable excavated materials shall not be wasted without permission of the Engineer. The Contractor shall dispose of all surplus, unstable, unsuitable, and organic materials, in such a manner that public or private property will not be damaged or endangered.

Suitable earth, stones and boulders naturally occurring within the right-of-way may be placed in fills or embankments in lifts and compacted according to Section 205. Broken concrete without protruding metal bars, bricks, rock, stone, reclaimed asphalt pavement with no expansive aggregate, or uncontaminated dirt and sand generated from construction or demolition activities may be used in embankment or in fill. If used in fills or embankments, these materials shall be placed and compacted to the satisfaction of the Engineer; shall be buried under a minimum of 2 ft (600 mm) of earth cover (except when the materials include only uncontaminated dirt); and shall not create an unsightly appearance or detract from the natural topographic features of an area. Broken concrete without protruding metal bars, bricks, rock, or stone may be used as riprap as approved by the Engineer. If the materials are used for fill in locations within the right-of-way but outside project construction limits, the Contractor must specify to the Engineer, in writing, how the landscape restoration of the fill areas will be accomplished. Placement of fill in such areas shall not commence until the Contractor's landscape restoration plan is approved by the Engineer.

Aside from the materials listed above, all other construction and demolition debris or waste shall be disposed of in a licensed landfill, recycled, reused, or otherwise disposed of as allowed by State or Federal laws and regulations. When the Contractor chooses to dispose of uncontaminated soil at a clean construction and demolition debris (CCDD) facility or at an uncontaminated soil fill operation, it shall be the Contractor's responsibility to have the pH of the material tested to ensure the value is between 6.25 and 9.0, inclusive. A copy of the pH test results shall be provided to the Engineer.

A permit shall be obtained from IEPA and made available to the Engineer prior to open burning of organic materials (i.e., plant refuse resulting from pruning or removal of trees or shrubs) or other construction or demolition debris. Organic materials originating within the right-of-way limits may be chipped or shredded and placed as mulch around landscape plantings within the right-of-way when approved by the Engineer. Chipped or shredded material to be placed as mulch shall not exceed a depth of 6 in. (150 mm)."

80319

STEEL COST ADJUSTMENT (BDE) (RETURN FORM WITH BID)

Effective: April 2, 2004
Revised: April 1, 2009

Description. Steel cost adjustments will be made to provide additional compensation to the Contractor, or a credit to the Department, for fluctuations in steel prices when optioned by the Contractor. 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 indicate contract number, company name, and sign and date the form shall make this contract exempt of steel cost adjustments for all items of steel. Failure to indicate "Yes" for any item of work will make that item of steel exempt from steel cost adjustment.

Types of Steel Products. An adjustment will be made for fluctuations in the cost of steel used in the manufacture of the following items:

Metal Piling (excluding temporary sheet piling)
Structural Steel
Reinforcing Steel

Other steel materials such as dowel bars, tie bars, mesh reinforcement, guardrail, steel traffic signal and light poles, towers and mast arms, metal railings (excluding wire fence), and frames and grates will be subject to a steel cost adjustment when the pay items they are used in has a contract value of $10,000 or greater.

Documentation. Sufficient documentation shall be furnished to the Engineer to verify the following:

(a) The dates and quantity of steel, in lb (kg), shipped from the mill to the fabricator.

(b) The quantity of steel, in lb (kg), incorporated into the various items of work covered by this special provision. The Department reserves the right to verify submitted quantities.

Method of Adjustment. Steel cost adjustments will be computed as follows:

$SCA = Q \times D$

Where: SCA = steel cost adjustment, in dollars
Q = quantity of steel incorporated into the work, in lb (kg)
D = price factor, in dollars per lb (kg)

$D = MPI_M - MPI_L$

Where: MPI_M = The Materials Cost Index for steel as published by the Engineering News-Record for the month the steel is shipped from the mill. The indices will be converted from dollars per 100 lb to dollars per lb (kg).

MPI_L = The Materials Cost Index for steel as published by the Engineering News-Record for the month prior to the letting. The indices will be converted from dollars per 100 lb to dollars per lb (kg).

The unit weights (masses) of steel that will be used to calculate the steel cost adjustment for the various items are shown in the attached table.

No steel cost adjustment will be made for any products manufactured from steel having a mill shipping date prior to the letting date.

If the Contractor fails to provide the required documentation, the method of adjustment will be calculated as described above; however, the MPI_M will be based on the date the steel arrives at the job site. In this case, an adjustment will only be made when there is a decrease in steel costs.

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

$$\text{Percent Difference} = \{(MPI_L - MPI_M) \div MPI_L\} \times 100$$

Steel cost adjustments will be calculated by the Engineer and will be paid or deducted when all other contract requirements for the items of work are satisfied. Adjustments will only be made for fluctuations in the cost of the steel as described herein. No adjustment will be made for changes in the cost of manufacturing, fabrication, shipping, storage, etc.

The adjustments shall not apply during contract time subject to liquidated damages for completion of the entire contract.

Attachment

Item	Unit Mass (Weight)
Metal Piling (excluding temporary sheet piling)	
Furnishing Metal Pile Shells 12 in. (305 mm), 0.179 in. (3.80 mm) wall thickness)	23 lb/ft (34 kg/m)
Furnishing Metal Pile Shells 12 in. (305 mm), 0.250 in. (6.35 mm) wall thickness)	32 lb/ft (48 kg/m)
Furnishing Metal Pile Shells 14 in. (356 mm), 0.250 in. (6.35 mm) wall thickness)	37 lb/ft (55 kg/m)
Other piling	See plans
Structural Steel	See plans for weights (masses)
Reinforcing Steel	See plans for weights (masses)
Dowel Bars and Tie Bars	6 lb (3 kg) each
Mesh Reinforcement	63 lb/100 sq ft (310 kg/sq m)
Guardrail	
Steel Plate Beam Guardrail, Type A w/steel posts	20 lb/ft (30 kg/m)
Steel Plate Beam Guardrail, Type B w/steel posts	30 lb/ft (45 kg/m)
Steel Plate Beam Guardrail, Types A and B w/wood posts	8 lb/ft (12 kg/m)
Steel Plate Beam Guardrail, Type 2	305 lb (140 kg) each
Steel Plate Beam Guardrail, Type 6	1260 lb (570 kg) each
Traffic Barrier Terminal, Type 1 Special (Tangent)	730 lb (330 kg) each
Traffic Barrier Terminal, Type 1 Special (Flared)	410 lb (185 kg) each
Steel Traffic Signal and Light Poles, Towers and Mast Arms	
Traffic Signal Post	11 lb/ft (16 kg/m)
Light Pole, Tenon Mount and Twin Mount, 30 - 40 ft (9 – 12 m)	14 lb/ft (21 kg/m)
Light Pole, Tenon Mount and Twin Mount, 45 - 55 ft (13.5 – 16.5 m)	21 lb/ft (31 kg/m)
Light Pole w/Mast Arm, 30 - 50 ft (9 – 15.2 m)	13 lb/ft (19 kg/m)
Light Pole w/Mast Arm, 55 - 60 ft (16.5 – 18 m)	19 lb/ft (28 kg/m)
Light Tower w/Luminaire Mount, 80 - 110 ft (24 – 33.5 m)	31 lb/ft (46 kg/m)
Light Tower w/Luminaire Mount, 120 - 140 ft (36.5 – 42.5 m)	65 lb/ft (97 kg/m)
Light Tower w/Luminaire Mount, 150 - 160 ft (45.5 – 48.5 m)	80 lb/ft (119 kg/m)
Metal Railings (excluding wire fence)	
Steel Railing, Type SM	64 lb/ft (95 kg/m)
Steel Railing, Type S-1	39 lb/ft (58 kg/m)
Steel Railing, Type T-1	53 lb/ft (79 kg/m)
Steel Bridge Rail	52 lb/ft (77 kg/m)
Frames and Grates	
Frame	250 lb (115 kg)
Lids and Grates	150 lb (70 kg)

Return With Bid

ILLINOIS DEPARTMENT OF TRANSPORTATION

OPTION FOR STEEL COST ADJUSTMENT

The bidder shall submit this completed form with his/her bid. Failure to submit the form or properly complete contract number, company name, and sign and date the form shall make this contract exempt of steel cost adjustments for all items of steel. Failure to indicate "Yes" for any item of work will make that item of steel exempt from steel cost adjustment. 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 plans for the following items of work?

Metal Piling	Yes	☐
Structural Steel	Yes	☐
Reinforcing Steel	Yes	☐
Dowel Bars, Tie Bars and Mesh Reinforcement	Yes	☐
Guardrail	Yes	☐
Steel Traffic Signal and Light Poles, Towers and Mast Arms	Yes	☐
Metal Railings (excluding wire fence)	Yes	☐
Frames and Grates	Yes	☐

Signature: _____ **Date:** _____

80127

TRACKING THE USE OF PESTICIDES (BDE)

Effective: August 1, 2012

Add the following paragraph after the first paragraph of Article 107.23 of the Standard Specifications:

"Within 48 hours of the application of pesticides, including but not limited to herbicides, insecticides, algaecides, and fungicides, the Contractor shall complete and return to the Engineer, Operations form "OPER 2720"."

80301

TRAINING SPECIAL PROVISIONS (BDE) This Training Special Provision supersedes Section 7b of the Special Provision entitled "Specific Equal Employment Opportunity Responsibilities," and is in implementation of 23 U.S.C. 140(a).

As part of the contractor's equal employment opportunity affirmative action program, training shall be provided as follows:

The contractor shall provide on-the-job training aimed at developing full journeyman in the type of trade or job classification involved. The number of trainees to be trained under this contract will be 2 . In the event the contractor subcontracts a portion of the contract work, he shall determine how many, if any, of the trainees are to be trained by the subcontractor, provided however, that the contractor shall retain the primary responsibility for meeting the training requirements imposed by this special provision. The contractor shall also insure that this Training Special Provision is made applicable to such subcontract. Where feasible, 25 percent of apprentices or trainees in each occupation shall be in their first year of apprenticeship or training.

The number of trainees shall be distributed among the work classifications on the basis of the contractor's needs and the availability of journeymen in the various classifications within the reasonable area of recruitment. Prior to commencing construction, the contractor shall submit to the Illinois Department of Transportation for approval the number of trainees to be trained in each selected classification and training program to be used. Furthermore, the contractor shall specify the starting time for training in each of the classifications. The contractor will be credited for each trainee employed by him on the contract work who is currently enrolled or becomes enrolled in an approved program and will be reimbursed for such trainees as provided hereinafter.

Training and upgrading of minorities and women toward journeyman status is a primary objective of this Training Special Provision. Accordingly, the contractor shall make every effort to enroll minority trainees and women (e.g. by conducting systematic and direct recruitment through public and private sources likely to yield minority and women trainees) to the extent such persons are available within a reasonable area of recruitment. The contractor will be responsible for demonstrating the steps that he has taken in pursuance thereof, prior to a determination as to whether the contractor is in compliance with this Training Special Provision. This training commitment is not intended, and shall not be used, to discriminate against any applicant for training, whether a member of a minority group or not.

No employee shall be employed as a trainee in any classification in which he has successfully completed a training course leading to journeyman status or in which he has been employed as a journeyman. The contractor should satisfy this requirement by including appropriate questions in the employee application or by other suitable means. Regardless of the method used the contractor's records should document the findings in each case.

The minimum length and type of training for each classification will be as established in the training program selected by the contractor and approved by the Illinois Department of Transportation and the Federal Highway Administration. The Illinois Department of Transportation and the Federal Highway Administration shall approve a program, if it is reasonably calculated to meet the equal employment opportunity obligations of the contractor and to qualify the average trainee for journeyman status in the classification concerned by the end of the training period. Furthermore, apprenticeship programs registered with the U.S. Department of Labor, Bureau of Apprenticeship and Training, or with a State apprenticeship agency recognized by the Bureau and training programs approved by not necessarily sponsored by the U.S. Department of Labor, Manpower Administration, Bureau of Apprenticeship and Training shall also be considered acceptable provided it is being administered in a manner consistent with the equal employment obligations of Federal-aid highway construction contracts. Approval or acceptance of a training program shall be obtained from the State prior to commencing work on the classification covered by the program. It is the intention of these provisions that training is to be provided in the construction crafts rather then clerk-typists or secretarial-type positions. Training is permissible in lower level management positions such as office engineers, estimators, timekeepers, etc., where the training is oriented toward construction applications. Training in the laborer classification may be permitted provided that significant and meaningful training is provided and approved by the Illinois Department of Transportation and the Federal Highway Administration. Some offsite training is permissible as long as the training is an integral part of an approved training program and does not comprise a significant part of the overall training.

Except as otherwise noted below, the contractor will be reimbursed 80 cents per hour of training given an employee on this contract in accordance with an approved training program. As approved by the Engineer, reimbursement will be made for training of persons in excess of the number specified herein. This reimbursement will be made even though the contractor receives additional training program funds from other sources, provided such other source does not specifically prohibit the contractor from receiving other reimbursement. Reimbursement for offsite training indicated above may only be made to the contractor where he does one or more of the following and the trainees are concurrently employed on a Federal-aid project; contributes to the cost of the training, provides the instruction to the trainee or pays the trainee's wages during the offsite training period.

No payment shall be made to the contractor if either the failure to provide the required training, or the failure to hire the trainee as a journeyman, is caused by the contractor and evidences a lack of good faith on the part of the contractor in meeting the requirement of this Training Special Provision. It is normally expected that a trainee will begin his training on the project as soon as feasible after start of work utilizing the skill involved and remain on the project as long as training opportunities exist in his work classification or until he has completed his training program.

It is not required that all trainees be on board for the entire length of the contract. A contractor will have fulfilled his responsibilities under this Training Special Provision if he has provided acceptable training to the number of trainees specified. The number trained shall be determined on the basis of the total number enrolled on the contract for a significant period.

Trainees will be paid at least 60 percent of the appropriate minimum journeyman's rate specified in the contract for the first half of the training period, 75 percent for the third quarter of the training period, and 90 percent for the last quarter of the training period, unless apprentices or trainees in an approved existing program are enrolled as trainees on this project. In that case, the appropriate rates approved by the Departments of Labor or Transportation in connection with the existing program shall apply to all trainees being trained for the same classification who are covered by this Training Special Provision.

The contractor shall furnish the trainee a copy of the program he will follow in providing the training. The contractor shall provide each trainee with a certification showing the type and length of training satisfactorily complete.

The contractor will provide for the maintenance of records and furnish periodic reports documenting his performance under this Training Special Provision.

METHOD OF MEASUREMENT The unit of measurement is in hours.

BASIS OF PAYMENT This work will be paid for at the contract unit price of 80 cents per hour for TRAINEES. The estimated total number of hours, unit price and total price have been included in the schedule of prices.

20338

WARM MIX ASPHALT (BDE)

Effective: January 1, 2012
Revised: November 1, 2014

Description. This work shall consist of designing, producing and constructing Warm Mix Asphalt (WMA) in lieu of Hot Mix Asphalt (HMA) at the Contractor's option. Work shall be according to Sections 406, 407, 408, 1030, and 1102 of the Standard Specifications, except as modified herein. In addition, any references to HMA in the Standard Specifications, or the special provisions shall be construed to include WMA.

WMA is an asphalt mixture which can be produced at temperatures lower than allowed for HMA utilizing approved WMA technologies. WMA technologies are defined as the use of additives or processes which allow a reduction in the temperatures at which HMA mixes are produced and placed. WMA is produced by the use of additives, a water foaming process, or combination of both. Additives include minerals, chemicals or organics incorporated into the asphalt binder stream in a dedicated delivery system. The process of foaming injects water into the asphalt binder stream, just prior to incorporation of the asphalt binder with the aggregate.

Approved WMA technologies may also be used in HMA provided all the requirements specified herein, with the exception of temperature, are met. However, asphalt mixtures produced at temperatures in excess of 275 °F (135 °C) will not be considered WMA when determining the grade reduction of the virgin asphalt binder grade.

Equipment.

Revise the first paragraph of Article 1102.01 of the Standard Specifications to read:

"**1102.01 Hot-Mix Asphalt Plant.** The hot-mix asphalt (HMA) plant shall be the batch-type, continuous-type, or dryer drum plant. The plants shall be evaluated for prequalification rating and approval to produce HMA according to the current Bureau of Materials and Physical Research Policy Memorandum, "Approval of Hot-Mix Asphalt Plants and Equipment". Once approved, the Contractor shall notify the Bureau of Materials and Physical Research to obtain approval of all plant modifications. The plants shall not be used to produce mixtures concurrently for more than one project or for private work unless permission is granted in writing by the Engineer. The plant units shall be so designed, coordinated and operated that they will function properly and produce HMA having uniform temperatures and compositions within the tolerances specified. The plant units shall meet the following requirements."

Add the following to Article 1102.01(a) of the Standard Specifications.

"(13) Equipment for Warm Mix Technologies.

a. Foaming. Metering equipment for foamed asphalt shall have an accuracy of ± 2 percent of the actual water metered. The foaming control system shall be electronically interfaced with the asphalt binder meter.

b. Additives. Additives shall be introduced into the plant according to the supplier's recommendations and shall be approved by the Engineer. The system for introducing the WMA additive shall be interlocked with the aggregate feed or weigh system to maintain correct proportions for all rates of production and batch sizes."

Mix Design Verification.

Add the following to Article 1030.04 of the Standard Specifications.

"(e) Warm Mix Technologies.

(1) Foaming. WMA mix design verification will not be required when foaming technology is used alone (without WMA additives). However, the foaming technology shall only be used on HMA designs previously approved by the Department.

(2) Additives. WMA mix designs utilizing additives shall be submitted to the Engineer for mix design verification."

Construction Requirements.

Revise the second paragraph of Article 406.06(b)(1) of the Standard Specifications to read:

"The HMA shall be delivered at a temperature of 250 to 350 °F (120 to 175 °C). WMA shall be delivered at a minimum temperature of 215 °F (102 °C)."

Basis of Payment.

This work will be paid at the contract unit price bid for the HMA pay items involved. Anti-strip will not be paid for separately, but shall be considered as included in the cost of the work.

80288

WEEKLY DBE TRUCKING REPORTS (BDE)

Effective: June 2, 2012

The Contractor shall provide a weekly report of Disadvantaged Business Enterprise (DBE) trucks hired by the Contractor or subcontractors (i.e. not owned by the Contractor or subcontractors) that are used on the jobsite; or used for the delivery and/or removal of equipment/material to and from the jobsite. The jobsite shall also include offsite locations, such as plant sites or storage sites, when those locations are used solely for this contract.

The report shall be submitted on the form provided by the Department within ten business days following the reporting period. The reporting period shall be Monday through Sunday for each week reportable trucking activities occur. The report shall be submitted to the Engineer and a copy shall be provided to the district EEO Officer.

Any costs associated with providing weekly DBE trucking reports 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.

80302

PRECAST MODULAR RETAINING WALL
Effective: March 19, 2001
Revised: January 3, 2014

Description. This work shall consist of preparing the design, furnishing the materials, and constructing the precast modular retaining walls to the lines, grades and dimensions shown in the contract plans and as directed by the Engineer.

General. The precast modular wall shall consist of precast concrete modules, select fill and a leveling pad. The precast concrete modules shall be sized to have sufficient external stability resistance at each module course to satisfy the design criteria. The material, fabrication and construction shall comply with this Special Provision and the requirements specified by the supplier of the wall system selected by the Contractor for use on the project.

The precast modular retaining wall shall be one of the following pre-approved wall systems:

T-Wall	The Neel Company
Stepwall	Prestress Engineering Corporation
Doublewal	Doublewal Corporation
Stone Strong*	Stone Strong, LLC.
Recon Wall System*	Recon Retaining Wall Systems, Inc
Redi-Rock Wall*	Redi-Rock International, LLC

* These systems may have designs utilizing/requiring soil reinforcement.

Submittals. The wall system supplier shall submit complete design calculations and shop drawings to the Engineer according to Article 1042.03(b) of the Standard Specifications no later than 90 days prior to beginning construction of the wall. No work or ordering of materials for the structure shall be done by the Contractor until the submittal has been approved in writing by the Engineer. All submittals shall be sealed by a Illinois Licensed Structural Engineer and shall include all details, dimensions, quantities and cross sections necessary to construct the wall and shall include, but not be limited to, the following items:

(a) Plan, elevation and cross section sheet(s) for each wall showing the following:

(1) A plan view of the wall indicating the offsets from the construction centerline to the face of the wall at all changes in horizontal alignment. The plan view shall show the limits of precast modules and stations where changes in length and/or size of modules occur. The centerline shall be shown for all drainage structures or pipes behind or passing through and/or under the wall.

(2) An elevation view of the wall indicating the elevations of the top of the modules. These elevations shall be at or above the top of exposed module line shown on the contract plans. This view shall show the elevations of the top of the leveling pads, all steps in the leveling pads and the finished grade line shown in the contract plans. Each module type, size and embeded length shall be designated.

(3) A listing of the summary of quantities shall be provided on the elevation sheet of each wall.

(4) Typical cross section(s) showing the precast modules, select fill within the modules, porous granular backfill, leveling pad, right-of-way limits, including excavation cut slopes and elevation relationship between existing ground conditions and the finished grade line.

(5) All general notes required for constructing the wall as well as the locations of lifting devices and/or support points in the precast modules shall be indicated.

(b) The leveling pads may be precast or cast in place concrete, or compacted coarse aggregate. All details for the leveling pads, including the steps, shall be shown. The top of the leveling pad shall be located at or below the theoretical top of the leveling pad line shown on the contract plans. The theoretical top of leveling pad line shall be 3.5 ft.(1.1 m) below finished grade line at the front face of the wall, unless otherwise shown on the contract plans.

(c) Where concrete coping or barrier is specified, the modules shall extend up into the coping or barrier a minimum of 2 in. (50 mm). The top of the modules may be level or sloped to satisfy the top of module line shown on the contract plans. Cast-in-place concrete will not be an acceptable replacement for module areas below the top of module line. Precast coping may be substituted for the CIP coping if approved by the Engineer.

(d) All module types shall be detailed. The details shall show all dimensions necessary to cast and construct each type of module, all reinforcing steel in the module, and the location of any shear key or connection devices.

(e) All details of the wall module placement around all appurtenances located behind, on top of, or passing through the wall modules and select fill such as traffic barriers, coping, foundations, and utilities etc. shall be clearly indicated. Any modifications to the design of these appurtenances to accommodate a particular system shall also be submitted.

(f) When specified on the contract plans, all details of architectural treatment for the exposed surfaces of the module, including color, texture and form liners shall be shown.

(g) The details of bearing pads, joint filler or other materials used to prevent concrete to concrete contact on the front face as well as any pins, groves or other alignment mechanisms shall be indicated.

The initial submittal shall include three sets of shop drawings and one set of calculations. One set of drawings will be returned to the Contractor with any corrections indicated. After approval, the Contractor shall furnish the Engineer with eight sets of corrected prints and one mylar set for

distribution by the Department. No work or ordering of materials for the structure shall be done until the submittal has been approved by the Engineer.

Materials. The precast modular retaining walls shall conform to the supplier's standards as previously approved by the Department, AASHTO Specifications for prefabricated modular walls and the following:

(a) Steel connection hardware shall be galvanized according to AASHTO M 232 or AASHTO M 111 as applicable.

(b) All precast modules shall be manufactured with Class PC concrete according to Section 504, Article 1042.02, Article 1042.03, and the following requirements:

(1) The minimum panel thickness shall be 3 1/2 in. (90 mm).

(2) The minimum reinforcement bar cover shall be 1 1/2 in. (38 mm).

(3) All dimensions shall be within 3/16 in. (5 mm).

(4) Angular distortion with regard to the height of the panel shall not exceed 0.2 in. (5 mm) in 5 ft. (1.5 m).

(5) Surface defects on formed surfaces measured on a length of 5 ft. (1.5 m) shall not be more than 0.1 in. (2.5 mm).

Concrete surfaces exposed to view in the completed wall shall be finished according to Article 503.15(a) of the Standard Specifications.

(c) Reinforcing steel shall be according to Article 1006.10(a)(2). Welded steel wire fabric for concrete reinforcement shall be according to Article 1006.10(b)(1) except the welded wire fabric shall be epoxy coated according to ASTM A884.

(d) 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 equals 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 with a PVC coating, stored between -20 and 140° F (-29 and 60° C). The following standards shall be used in determining and demonstrating the soil reinforcement capacities:

ASTM D638 Test Method for Tensile Properties of Plastic
ASTM D1248 Specification for Polyethylene Plastics Molding and Extrusion Materials
ASTM D4218 Test Method for Carbon Black Content in Polyethylene Compounds
ASTM D5262 Test Method for Evaluating the Unconfined Tension 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

(e) The select fill, defined as the material placed in the reinforced volume behind the wall, shall be according to Sections 1003 and 1004 of the Standard Specifications and the following:

(1) Select Fill Gradation. Either a coarse aggregate or a fine aggregate may be used. For coarse aggregate, gradations CA 6 thru CA 16 may be used. For fine aggregate, gradations FA 1, FA 2, or FA 20 may be used.

(2) Select Fill Quality. The coarse or fine aggregate shall have a maximum sodium sulfate (Na_2SO_4) loss of 15 percent according to Illinois Modified AASHTO T 104.

(3) Select Fill Internal Friction Angle. The effective internal friction angle for the coarse or fine aggregate shall be a minimum 34 degrees according to AASHTO T 236 on samples compacted to 95 percent density according to Illinois Modified AASHTO T 99. The AASHTO T 296 test with pore pressure measurement may be used in lieu of AASHTO T 236. If the vendor's design uses a friction angle higher than 34 degrees, as indicated on the approved shop drawings, this higher value shall be taken as the minimum required.

(4) Select Fill and Geosynthetic Reinforcing. When geosynthetic reinforcing is used, the select fill pH shall be 4.5 to 9.0 according to Illinois Modified AASHTO T 289.

(5) Test Frequency. Prior to start of construction, the Contractor shall provide an internal friction angle and pH test results to show the select fill material meets the specification requirement. However, the pH will be required only when geosynthetic reinforcing is used. This test result shall be no more than 12 months old. In addition, a sample of select fill material will be obtained for testing and approval by the Department. Thereafter, the minimum frequency of sampling and testing at the jobsite will be one per 40,000 tons (36,300 metric tons) of select fill. Testing to verify the internal friction angle will be required when the wall design utilizes a minimum effective internal friction angle greater than 34 degrees, or when crushed coarse aggregate is not used.

(f) The porous granular embankment, behind the precast modules, shall be according to Section 207 of the Standard Specifications.

(g) The geotextile filter material used across the module joints shall be either a non-woven needle punch polyester or polypropylene or a woven monofilament polypropylene.

(h) The bearing pads shall be rubber, neoprene, polyvinyl chloride, or polyethylene material of the type and grade as recommended by the wall supplier. Other material recommended by the wall supplier may be used if approved by the Engineer.

(i) Leveling pad: The material shall be either Class SI concrete according to Article 1020.04 or compacted coarse aggregate according to Articles 1004.04, (a) and (b). The compacted coarse aggregate gradation shall be CA 6 or CA 10.

Design Criteria. The design shall be according to the AASHTO Design Specifications for Prefabricated Modular Walls except as modified herein. The wall supplier shall be responsible for all external stability aspects of the wall design (including sliding, overturning, bearing pressure and stability of temporary construction slopes). The analyses of settlement and overall slope stability will be the responsibility of the Department.

Typical design procedures and details, once accepted by the Department, shall be followed. All wall system changes shall be submitted in advance to the Department for approval.

External loads, such as those applied through structure foundations, from traffic or railroads, slope surcharge etc., shall be accounted for in the external 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 external stability design of the wall.

Coulomb's lateral earth pressure theory shall be used to calculate the vertical and horizontal forces acting on the rear face of the precast modules.

The overturning calculations shall assume no more than 80 percent of the soil dead load within the precast modules available to resist overturning forces. Sliding calculations shall consider sliding both across the base and of the base across the foundation soils. The factors of safety against sliding and overturning must be no less than 1.5 and 2.0, respectively, and the computations shall confirm these factors of safety occur at each module level.

The maximum applied equivalent uniform bearing pressure under each module width shall be clearly indicated on the shop drawings submitted and shall be less than the allowable bearing pressure of the soil shown on the contract plans. Footings or other treatments to satisfy the bearing pressure requirements will be designed by the wall supplier and included in the wall bid price.

If the wall supplier needs additional information to complete the design, the Contractor shall be responsible for obtaining the information at no additional cost to the Department.

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

The foundation soils for the structure shall be graded for a width equal to or exceeding the module width. Prior to wall construction, the foundation shall be compacted with a smooth wheel vibratory roller. Any foundation soils found to be unsuitable shall be removed and

replaced, as directed by the Engineer, and shall be paid for separately according to Section 202 of the Standard Specifications.

The modules may not be loaded or shipped to the project site until they have obtained a minimum compressive strength of 3500 psi (24 MPa) and no sooner than seven days after casting. Precast modules shall be lifted and supported at the points indicated on the shop plans. They shall be stored off the ground. Stacked modules shall be separated by battens across the full width of each bearing point as recommended by the supplier to prevent concrete to concrete contact.

The first course of modules must be erected with particular care and adjustment as required to in correct the vertical, horizontal and transverse alignment. Poor alignment of the base course will magnify tolerance problems in upper modules and require dismantling and re-erection of the wall. A ¼ in. (6 mm) minimum and ¾ in. (18 mm) maximum joint separation shall be provided between adjacent modules at the face to prevent direct concrete to concrete contact. Vertical tolerances and horizontal alignment tolerances shall not exceed 3/4 in. (19 mm) when measured along a 10 ft. (3 m) straight edge. The overall vertical tolerance of the wall, (plumbness from top to bottom) shall not exceed 1/2 in. per 10 ft. (13 mm per 3 m) of wall height.

The rear face of all vertical and horizontal module joints shall be covered by a geotextile filter fabric, attached to the modules with a suitable adhesive. No adhesive will be allowed on this material directly over the joints to maintain fabric permeability. The minimum fabric width shall be 12 in. (300 mm) and where laps must be used, a non-sewn lap of 6 in. (150 mm) shall be used as a minimum.

The select fill and porous granular embankment placement shall closely follow the erection of each lift of modules. The maximum lift thickness shall be placed according to the supplier's recommended procedures except, the lifts shall not exceed 10 in. (255 mm) loose measurement or as approved by the Engineer.

At the end of each day's operations, the Contractor shall shape the last level of select fill to permit runoff of rainwater away from the wall face. Select fill shall be compacted according to the project specifications for embankment except the minimum required compaction shall be 95 percent of maximum density as determined by AASHTO T 99. The Engineer will perform one density test per 5000 cu yd (3800 cu m) and not less than one test per 2 ft (0.6 m) of lift.

Method of Measurement. Precast Modular Retaining Wall will be measured for payment in square feet (square meters). The retaining wall will be measured from the "top of exposed module line" to the theoretical top of leveling pad line for the length of the wall as shown on the contract plans.

Basis of Payment. This work, including furnishing and placement of the precast modules, select fill, joint separation material, geotextile and other accessories will be paid for at the contract unit price per square foot (square meter) for PRECAST MODULAR RETAINING WALL.

Porous Granular Embankment placed outside of the select fill volume will be measured and paid for according to Section 207 of the Standard Specifications.

Concrete coping when specified on the contract plans will not be included for payment in this work but shall be included for payment as specified elsewhere in this contract.

REQUIRED CONTRACT PROVISIONS
FEDERAL-AID CONSTRUCTION CONTRACTS

I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services). The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in bid proposal or request for proposal documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors.

II. NONDISCRIMINATION

The provisions of this section related to 23 CFR Part 230 are applicable to all Federal-aid construction contracts and to all related construction subcontracts of $10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding $10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

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, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) 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 provisions of the Americans with 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 contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract.

b. The contractor will accept as its 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, pre-apprenticeship, and/or on-the-job training."

2. EEO Officer: The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program 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 minorities and women.

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 minorities and women 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 employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority and women 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, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such 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 its 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 their avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

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. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

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 employees who are minorities and women 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 good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. 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 good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith 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 contracting agency 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 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 qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. 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 contracting agency.

8. Reasonable Accommodation for Applicants / Employees with Disabilities: The contractor must be familiar with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established there under. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. 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. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors and suppliers and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurance Required by 49 CFR 26.13(b):

a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.

b. The contractor 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 DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the contracting agency deems appropriate.

11. 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 the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

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

(1) The number and work hours 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; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women;

b. The contractors and subcontractors will submit an annual report to the contracting agency 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. The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of $10,000 or more.

The contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location, under the contractor's control, where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. Davis-Bacon and Related Act Provisions

This section is applicable to all Federal-aid construction projects exceeding $2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH–1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b.(1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is utilized in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

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

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

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

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

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

2. Withholding

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency 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.

3. Payrolls and basic records

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

b. (1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g. , the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH–347 is available for this purpose from the Wage and Hour Division Web site at http://www.dol.gov/esa/whd/forms/wh347instr.htm or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency..

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

(i) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

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

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

(3) 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 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

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

4. Apprentices and trainees

a. Apprentices (programs of the USDOL).

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or 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 Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

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

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

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

b. Trainees (programs of the USDOL).

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

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the 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.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor 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. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

d. 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.

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

6. Subcontracts. The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for

debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

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

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

10. Certification of eligibility.

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

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

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

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

The following clauses apply to any Federal-aid construction contract in an amount in excess of $100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1.) of this section, the contractor and any subcontractor responsible therefor shall be liable for the 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 or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1.) of this section, in the sum of $10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1.) of this section.

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

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

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System.

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 contracting agency. 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 contractor's own organization (23 CFR 635.116).

a. The term “perform work with its own organization” refers to workers employed or leased 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 or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions:

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;

(2) the prime contractor remains responsible for the quality of the work of the leased employees;

(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and

(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

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 or propose 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 VI 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 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 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 contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

5. The 30% self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements.

VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

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 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. 3704).

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.3704).

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

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, Form FHWA-1022 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:

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 under this title or imprisoned not more than 5 years or both."

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.
2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost $25,000 or more – as defined in 2 CFR Parts 180 and 1200.

1**. Instructions for Certification – First Tier Participants:**

a. By signing and submitting this proposal, the prospective first tier 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 first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier 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 contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier 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," "participant," "person," "principal," and "voluntarily excluded,"

as used in this clause, are defined in 2 CFR Parts 180 and 1200. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

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

g. The prospective first tier 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 Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold.

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 is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (https://www.epls.gov/), which is compiled by the General Services Administration.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective 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.

* * * * *

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency;

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(3) 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 (a)(2) of this certification; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

2. **Instructions for Certification - Lower Tier Participants:**

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost $25,000 or more - 2 CFR Parts 180 and 1200)

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," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

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

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold.

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 is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (https://www.epls.gov/), which is compiled by the General Services Administration.

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 dealings.

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.

* * * * *

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

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 participating in covered transactions 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.

* * * * *

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is 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 its bid or proposal that the participant 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.