



ORDINANCE NO. 2365-24

AN ORDINANCE AUTHORIZING THE MAYOR AND VILLAGE CLERK TO AWARD AND EXECUTE THE CONTRACT FOR THE INDIAN CULVERT REPLACEMENT/STREAMBANK STABILIZATION PROJECT TO CAMPANELLA & SONS, INC

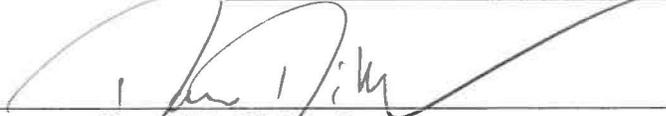
BE IT ORDAINED by the Mayor and Board of Trustees of the Village of Hawthorn Woods, Illinois, that the Mayor and the Village Clerk be, and the same is hereby authorized and directed, to award the Indian Creek Culvert/Streambank Stabilization project to Campanella & Sons, Inc and execute the Award Contract in an amount not to exceed \$683,605.00 attached hereto as Exhibit "A", and, by this reference made a part hereof.

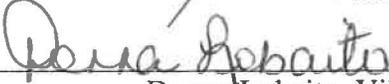
The foregoing Ordinance was adopted by the Board of Trustees of the Village of Hawthorn Woods, Illinois on June 24, 2024:

AYES: Kaiser, McCarthy, Reynolds, Boyer, Hunt, Raman

NAYS: 0

ABSENT AND NOT VOTING: 0

APPROVED: 
Dominick DiMaggio, Mayor

ATTEST: 
Donna Lobaito, Village Clerk

ADOPTED: June 24, 2024

APPROVED: June 24, 2024

Local Public Agency Formal Contract

Contractor's Name

Campanella & Sons, Inc.

Contractor's Address

39207 Magnetis Blvd. PO Box 32

City

Wadsworth

State

IL

Zip Code

60083

STATE OF ILLINOIS

Local Public Agency

Hawthorn Woods

County

Lake

Section Number

N/A

Street Name/Road Name

Indian Creek Road Culvert Replacement/Streambank Stabilization

Type of Funds

Local

CONTRACT BOND (when required)

NOT AN IDOT PROJECT

Local Public Agency	Local Street/Road Name	County	Section Number
Hawthorn Woods	Indian Creek Road Culvert Replacement/ Streambank Stabilization	Lake	N/A

- THIS AGREEMENT, made and concluded the _____ day of _____ between the _____ of _____, known as the party of the first part, and Campanella & Sons, Inc., its successor, and assigns, known as the party of the second part.
- For and in consideration of the payments and agreements mentioned in the Proposal hereto attached, to be made and performed by the party of the first part, and according to the terms expressed in the Bond referring this contract, the party of the second part agrees with said party of the first part, at its own proper cost and expense, to do all the work, furnish all materials and all labor necessary to complete the work in accordance with the plans and specifications hereinafter described, and in full compliance with all of the terms of this contract.
- It is also understood and agreed that the LPA Formal Contract Proposal, Special Provisions, Affidavit of Illinois Business Office, Apprenticeship or Training Program Certification, and Contract Bond hereto attached, and the Plans for Section N/A in Hawthorn Woods, approved by the Illinois Department of Transportation on _____, are essential documents of this contract and are a part hereof.
- IN WITNESS WHEREOF, the said parties have executed this contract on the date above mentioned.

Attest: The _____ of _____

Clerk Signature & Date

Dana Roberto 6/24/24

(SEAL, if required by the LPA)



(SEAL, if required by the LPA)

Party of the First Part Signature & Date

By: [Signature] 6/24/24

(If a Corporation)

Corporate Name

President, Party of the Second Part Signature & Date

By: _____

(If a Limited Liability Corporation)

LLC Name

Manager or Authorized Member, Party of the Second Part

By: _____

(If a Partnership)

Partner Signature & Date

Partner Signature & Date

Partners doing Business under the firm name of
Party of the Second Part

(If an individual)

Party of the Second Part Signature & Date

Attest:

Secretary Signature & Date

(SEAL, if required by the LPA)

Contract Bond

Local Public Agency	County	Street Name/Road Name	Section Number
Village of Hawthorn Woods	Lake	Indian Creek Road	N/A

Bond information to be returned to Local Public Agency at 2 Lagoon Dr., Hawthorn Woods, IL 60047
Complete Address

We, Campanella & Sons, Inc., 39207 N. Magnetics Blvd. PO Box 32, Wadsworth, IL 60083
Contractor's Name and Address

a/an _____ organized under the laws of the State of _____ as PRINCIPAL, and
State

Surety Name and Address

as SURETY, are held and firmly bound unto the above Local Public Agency (hereafter referred to as "LPA") in the penal sum of

Dollars (_____) lawful money of the United States, to be paid to said LPA, the payment of which we bind ourselves, successors and assigns jointly to pay to the LPA this sum under the conditions of this instrument.

WHEREAS, THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that the said Principal has entered into a written contract with the LPA acting through its awarding authority for the construction of work on the above sections, which contract is hereby referred to and made a part hereof, as if written herein at length, and whereby the said Principal has promised and agreed to perform said work in accordance with the terms of said contract, and has promised to pay all sums of money due for any labor, materials, apparatus, fixtures or machinery furnished to such Principal for the purpose of performing such work and has further agreed to pay all direct and indirect damages to any person, firm, company or corporation to whom any money may be due from the Principal, subcontractor or otherwise for any such labor, materials, apparatus, fixtures or machinery so furnished and that suit may be maintained on such bond by any such person, firm, company or corporation for the recovery of any such money.

NOW, THEREFORE, if the said Principal shall perform said work in accordance with the terms of said contract, and shall pay all sums of money due or to become due for any labor, materials, apparatus, fixtures or machinery furnished to it for the purpose of constructing such work, and shall commence and complete the work within the time prescribed in said contract, and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on account of such work during the time of the performance thereof and until the said work shall have been accepted, and shall hold the LPA and its awarding authority harmless on account of any such damages and shall in all respects fully and faithfully comply with all the provisions, conditions and requirements of said contract, then this obligation shall be void; otherwise it shall remain in full force and effect.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective agents this _____ day of _____
Day Month and Year

PRINCIPAL

Company Name

Company Name

By
Signature & Date

By
Signature & Date

Attest
Signature & Date

Attest
Signature & Date

(If PRINCIPAL is a joint venture of two or more contractors, the company names and authorized signature of each contractor must be affixed.)

STATE OF IL
COUNTY OF _____

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

Insert name of Individuals signing on behalf of PRINCIPAL

who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of PRINCIPAL, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____
Day Month, Year

(SEAL)

Notary Public Signature & Date

[Signature box]

Date commission expires _____

SURETY

Name of Surety
[Name box]

Title
By: [Title box]

STATE OF IL
COUNTY OF _____

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

Insert name of Individuals signing on behalf of SURETY

who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of SURETY, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____
Day Month, Year

(SEAL)

Notary Public Signature & Date

[Signature box]

Date commission expires _____

Approved this _____ day of _____
Day Month, Year

Attest:

Local Public Agency Clerk Signature & Date
[Signature box]

[Signature box] Clerk
Local Public Agency Type

Awarding Authority
[Signature box]

Awarding Authority Signature & Date
[Signature box]

Provision for Bidding Requirements and Conditions for Contract Proposals.

4. The following BLR Forms shall be returned by the bidder to the Awarding Authority:
 - a. Local Public Agency Formal Contract Proposal (BLR 12200)
 - b. Schedule of Prices (BLR 12201)
 - c. Proposal Bid Bond (BLR 12230) (if applicable)
 - d. Apprenticeship or Training Program Certification (BLR 12325) (do not use for project with Federal funds.)
 - e. Affidavit of Illinois Business Office (BLR 12326) (do not use for project with Federal funds)
5. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the 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 hereinafter provided.
6. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case, be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.
7. The bidder shall take no advantage of any error or omission in the proposal and advertised contract.
8. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Agency and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Awarding Authority is used, it shall be marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Awarding Authority at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.
9. Permission will be given to a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Village of Hawthorn Woods	Lake	N/A	Indian Creek Road Culvert Replacement/ Streambank Stabilization

PROPOSAL

1. Proposal of Campanella & Sons, Inc.

Contractor's Name

39207 N Magnetics Blvd PO Box 32 Wadsworth, IL 60083

Contractor's Address
2. The plans for the proposed work are those prepared by Christopher B. Burke Engineering Ltd.
 and approved by the Department of Transportation on _____.
3. The specifications referred to herein are those prepared by the Department of Transportation and designated as "Standard Specifications for Road and Bridge Construction" and the " Supplemental Specifications and Recurring Special Provisions" thereto, adopted and in effect on the date of invitation for bids.
4. The undersigned agrees to accept, as part of the contract, the applicable Special Provisions indicated on the "Check Sheet for Recurring Special Provisions" contained in this proposal.
5. The undersigned agrees to complete the work by 10/18/24 unless additional time is granted in accordance with the specifications.
6. The successful bidder at the time of execution of the contract will be required to deposit a contract bond for the full amount of _____

Schedule of Prices



Contractor's Name

Campanella & Sons, Inc.

Contractor's Address

39207 N Magnetics Blvd PO Box 32

City

Wadsworth

State

IL

Zip Code

160083

Local Public Agency

Village of Hawthorn Woods

County

Lake

Section Number

N/A

Route(s) (Street/Road Name)

Indian Creek Road Box Culvert/Streambank Stabilization

Schedule for Multiple Bids

Combination Letter	Section Included in Combinations	Total

Schedule for Base Bid

(For complete information covering these items, see plans and specifications.)

Item Number	Items	Unit	Quantity	Unit Price	Total
20100110	TREE REMOVAL	ACRE	0.15	36,000.00	5,400.00
20700220	POROUS GRANULAR EMBANKMENT	CU YD	260	115.00	29,900.00
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	750	14.00	10,500.00
25000100	SEEDING, CLASS 1	ACRE	0.15	8,000.00	1,200.00
25100630	EROSION CONTROL BLANKET	SQ YD	750	2.20	1,650.00
28000260	TEMPORARY EROSION CONTROL SEEDING	POUND	25	9.00	225.00
28100107	STONE RIPRAP, CLASS A4	CU YD	20	475.00	9,500.00
28100108	STONE RIPRAP, CLASS A5	CU YD	10	390.00	3,900.00
28400100	GABIONS	CU YD	20	1,385.00	27,700.00
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	240	28.00	6,860.00
40600280	BITUMINOUS MATERIALS (TACK COAT)	POUND	170	5.00	850.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	120	150.00	18,000.00
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	30	325.00	9,750.00
44000100	PAVEMENT REMOVAL 9"	SQ YD	240	25.00	6,000.00
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	1,500.00	3,000.00
50105220	PIPE CULVERT REMOVAL	FOOT	38	90.00	3,420.00
50200100	STRUCTURE EXCAVATION	CU YD	530	45.00	23,850.00
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	22,000.00	44,000.00
54011208	PRECAST CONCRETE BOX CULVERTS 12' X 6"	FOOT	48	2,405.00	115,440.00
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	340	34.00	11,560.00
63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	32	220.00	7,040.00
63200310	GUARDRAIL REMOVAL	FOOT	340	8.00	2,720.00
67100100	MOBILIZATION	LSUM	1	74,000.00	74,000.00
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	60	10.00	600.00
78000200	THERMOPLASTIC PAVEMENT MARKING - 4"	FOOT	225	16.00	3,600.00
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	4	1,000.00	4,000.00
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	4	50.00	200.00
K1004572	PRAIRIE SEEDING (SPECIAL)	ACRE	0.15	8,000.00	1,200.00
X1200274	TEMPORARY BYPASS PUMPING SYSTEM	L SUM	1	15,000.00	15,000.00
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	32,000.00	32,000.00
Z0013788	CONSTRUCTION LAYOUT	LSUM	1	4,500.00	4,500.00
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	120	12.00	1,440.00
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	3	3,500.00	10,500.00
NA	CHANNEL BANK FILL (SLOPE REPAIR)	CU YD	5	350.00	1,750.00
NA	CONCRETE RIBBON REMOVAL AND REPLACEMENT	FOOT	200	80.00	16,000.00
NA	COFFERDAMS, SEDIMENT FILTER BAG AND DEWATERING	L SUM	1	22,000.00	22,000.00
NA	SILT FENCE	FOOT	100	6.00	600.00
NA	ITEMS ORDERED BY THE ENGINEER	DOLLAR	25000	\$ 1.00	\$ 25,000.00
Bidder's Base Bid Total Proposal					554,955.00

- Each pay item should have a unit price and a total price.
- If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern.
- If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
- A bid may be declared unacceptable if neither a unit price or total price is shown.

WRITTEN: Five hundred fifty four thousand, nine hundred fifty-five dollars and zero cents

Schedule of Prices

Contractor's Name Campanella & Sons, Inc.			
Contractor's Address 39207 N Magnetics Blvd PO Box 32		City Wadsworth	State Zip Code IL 60083
Local Public Agency Village of Hawthorn Woods		County Lake	Section Number N/A
Route(s) (Street/Road Name) Indian Creek Road Box Culvert/Streambank Stabilization			

Schedule for Multiple Bids		
Combination Letter	Section Included in Combinations	Total

Schedule for Alternate 1 Bid
(For complete information covering these items, see plans and specifications.)

Item Number	Items	Unit	Quantity	Unit Price	Total
20100110	TREE REMOVAL	ACRE	0.25	36,000.00	9,000.00
20300100	CHANNEL BANK EXCAVATION	CU YD	200	80.00	16,000.00
20700220	POROUS GRANULAR EMBANKMENT	CU YD	260	115.00	29,900.00
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	750	14.00	10,500.00
25000100	SEEDING, CLASS 1	ACRE	0.25	8,000.00	2,000.00
25100630	EROSION CONTROL BLANKET	SQ YD	750	2.20	1,650.00
26000250	TEMPORARY EROSION CONTROL SEEDING	POUND	25	9.00	225.00
28100107	STONE RIPRAP, CLASS A4	CU YD	20	475.00	9,500.00
28100109	STONE RIPRAP, CLASS A5	CU YD	10	390.00	3,900.00
28400100	GABIONS	CU YD	90	1,300.00	108,000.00
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	240	29.00	6,960.00
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	170	5.00	850.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	120	150.00	18,000.00
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	30	325.00	9,750.00
44000100	PAVEMENT REMOVAL 9"	SQ YD	240	25.00	6,000.00
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	1,500.00	3,000.00
50105220	PIPE CULVERT REMOVAL	FOOT	38	90.00	3,420.00
50200100	STRUCTURE EXCAVATION	CU YD	530	45.00	23,850.00
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	22,000.00	44,000.00
54011208	PRECAST CONCRETE BOX CULVERTS 12' X 6'	FOOT	48	2,405.00	115,440.00
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	340	34.00	11,560.00
63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	32	220.00	7,040.00
63200310	GUARDRAIL REMOVAL	FOOT	340	8.00	2,720.00
67100100	MOBILIZATION	LSUM	1	74,000.00	74,000.00
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	60	10.00	600.00
78000200	THERMOPLASTIC PAVEMENT MARKING - 4"	FOOT	225	16.00	3,600.00
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	4	1,000.00	4,000.00
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	4	50.00	200.00
K1004572	PRAIRIE SEEDING (SPECIAL)	ACRE	0.25	8,000.00	2,000.00
X1200274	TEMPORARY BYPASS PUMPING SYSTEM	L SUM	1	15,000.00	15,000.00
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	32,000.00	32,000.00
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	4,500.00	4,500.00
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	120	12.00	1,440.00
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	3	3,500.00	10,500.00
NA	CHANNEL BANK FILL (SLOPE REPAIR)	CU YD	15	350.00	5,250.00
NA	RIPRAP BANK PROTECTION	TON	10	500.00	5,000.00
NA	FLOATING SILT CURTAIN	FOOT	80	45.00	3,600.00
NA	BANK STABILIZATION WITH EROSION CONTROL BLANKET	SQ YD	200	25.00	5,000.00
NA	CONCRETE RIBBON REMOVAL AND REPLACEMENT	FOOT	200	90.00	18,000.00
NA	COFFERDAMS, SEDIMENT FILTER BAG AND DEWATERING	L SUM	1	22,000.00	22,000.00
NA	SILT FENCE	FOOT	275	6.00	1,650.00
NA	ITEMS ORDERED BY THE ENGINEER	DOLLAR	1	\$ 1.00	\$ 25,000.00
Bidder's Alternate 1 Bid Total Proposal					683,605.00

1. Each pay item should have a unit price and a total price.
2. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern.
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 or total price is shown.

WRITTEN: Six hundred eighty three thousand, six hundred five dollars and zero cents

the award. When a contract bond is not required, the proposal guaranty check will be held in lieu thereof. If this proposal is accepted and the undersigned fails to execute a contract and contract bond as required, it is hereby agreed that the Bid Bond of check shall be forfeited to the Awarding Authority.

7. Each pay item should have a unit price and a total price. If no total price is shown or if there is a discrepancy between the products of the unit price multiplied by the quantity, the unit price shall govern. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price. A bid may be declared unacceptable if neither a unit price nor a total price is shown.
8. The undersigned submits herewith the schedule of prices on BLR 12201 covering the work to be performed under this contract.
9. The undersigned further agrees that if awarded the contract for the sections contained in the combinations on BLR 12201, the work shall be in accordance with the requirements of each individual proposal for the multiple bid specified in the Schedule for Multiple Bids below.
10. A proposal guaranty in the proper amount, as specified in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals, will be required. Bid Bonds Will be allowed as a proposal guaranty. Accompanying this proposal is either a bid bond, if allowed, on Department form BLR 12230 or a proposal guaranty check, complying with the specifications, made payable to: Village Treasurer of Hawthorn Woods.
The amount of the check is 5% of the total bid amount (_____).

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 proposal 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: Section Number N/A.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Village of Hawthorn Woods	Lake	N/A	Indian Creek Road Culvert Replacement/ Streambank Stabilization

CONTRACTOR 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.

1. **Debt Delinquency.** The bidder or contractor or subcontractor, respectively, certifies that it is not delinquent in the payment of any tax administered by the Department of Revenue unless the individual or other entity is contesting, in accordance with the procedure established by the appropriate Revenue Act, its liability for the tax or the amount of the tax. Making a false statement voids the contract and allows the Department to recover all amounts paid to the individual or entity under the contract in a civil action.
2. **Bid-Rigging or Bid Rotating.** The bidder or contractor or subcontractor, respectively, certifies that it is not barred from contracting with the Department by reason of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

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: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract 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 on 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 on behalf of the corporation.

3. **Bribery.** The bidder or contractor or subcontractor, respectively, certifies that, it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois or any unit of local government, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm.
4. **Interim Suspension or Suspension.** The bidder or contractor or subcontractor, respectively, certifies that it is not currently under a suspension as defined in Subpart I of Title 44 Subtitle A Chapter III Part 6 of the Illinois Administrative code. Furthermore, if suspended prior to completion of this work, the contract or contracts executed for the completion of this work may be canceled.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Village of Hawthorn Woods	Lake	N/A	Indian Creek Road Culvert Replacement/ Streambank Stabilization

SIGNATURES

(If an individual)

Signature of Bidder	Date	
Business Address		
City	State	Zip Code

(If a partnership)

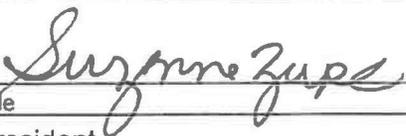
Firm Name	
Signature	Date

Title		
Business Address		
City	State	Zip Code

Insert the Names and Addresses of all Partners

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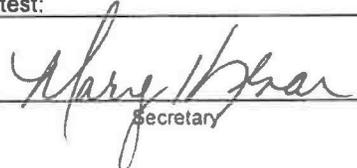
(If a corporation)

Corporate Name		
Campanella & Sons, Inc.		
Signature	Date	
	5/15/2024	
Title		
President		
Business Address		
39207 N Magnetics Blvd PO Box 32		
City	State	Zip Code
Wadsworth	IL	60083

Insert Names of Officers

President
Suzanne Zupc
Secretary
Mary Kenar
Treasurer
Mary Kenar

Attest:


Secretary

Affidavit of Illinois Business Office

Local Public Agency	County	Street Name/Road Name	Section Number
Village of Hawthorn Woods	Lake	Indian Creek Rd.	N/A

I, Suzanne Zupec of Wadsworth, Illinois,
Name of Affiant City of Affiant State of Affiant

being first duly sworn upon oath, state as follows:

1. That I am the President of Campanella & Sons, Inc.
Officer or Position Bidder
2. That I have personal knowledge of the facts herein stated.
3. That, if selected under the proposal described above, Campanella & Sons, Inc., will maintain a business office in the
Bidder
 State of Illinois, which will be located in Lake County, Illinois.
County
4. That this business office will serve as the primary place of employment for any persons employed in the construction contemplated by this proposal.
5. That this Affidavit is given as a requirement of state law as provided in Section 30-22(8) of the Illinois Procurement Code.

Signature & Date

Suzanne Zupec 5/15/2024

Print Name of Affiant

Suzanne Zupec, President

Notary Public

State of IL

County Lake

Signed (or subscribed or attested) before me on May 15, 2024 by
(date)

Suzanne Zupec, authorized agent(s) of
(name/s of person/s)

Campanella & Sons, Inc.
Bidder



Notary Public Signature & Date

Kristin Mandel

My commission expires 2-26-2028

ADDENDUM #1
Village of Hawthorn Woods
Indian Creek Road Culvert Replacement/Streambank Stabilization
Date: May 3, 2024

I acknowledge the receipt of Addendum #1 for the above referenced project:

Signed: 

Campanella & Sons, Inc.
Name of Company



Affidavit of Availability
For the Letting of 05/15/24



Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, IL 62764

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	1	2	3	4	Awards Pending	Accumulated Totals
Contract Number	Wildwood WM	61K05	62W53			
Contract With	LCPW	IDOT	IDOT			
Estimated Completion Date	06/01/24	12/01/24	11/27/24			
Total Contract Price	\$3,557,942	\$4,199,910	\$4,399,897			
Uncompleted Dollar Value if Firm is the Prime Contractor	\$1,557,942	\$4,199,910	\$4,399,897			\$10,157,749
Uncompleted Dollar Value if Firm is the Subcontractor						
Total Value of All Work						\$10,157,749

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

Earthwork		\$482,801	\$352,768			\$835,569
Portland Cement Concrete Paving						
HMA Plant Mix						
HMA Paving		\$62,400				\$62,400
Clean & Seal Cracks/Joints						
Aggregate Bases, Surfaces		\$394,905	\$362,000			\$756,905
Highway, R.R., Waterway Struc.						
Drainage	\$605,000	\$824,946	\$1,092,000			\$2,521,946
Electrical						
Cover and Seal Coats						
Concrete Construction	\$35,302	\$86,915				\$122,217
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning, Rotomilling						
Demolition						
Pavement Markings (Paint)						
Other Construction (List)	\$250,000	\$142,000	\$265,000			\$657,000
Totals	\$890,302	\$1,993,967	\$2,071,768			\$4,956,037

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor	Peter Baker	Peter Baker	Peter Baker		
Type of Work	Asphalt Paving	Asphalt Paving	Asphalt Paving		
Subcontract Price	\$438,780	\$808,921	\$860,888		
Amount Uncompleted	\$438,780	\$808,921	\$860,888		
Subcontractor	Gary Weiss	Arteaga Landscapin	Arteaga Landscapin		
Type of Work	Landscaping	Landscaping	Landscaping		
Subcontract Price	\$50,000	\$116,233	\$88,138		
Amount Uncompleted	\$50,000	\$116,233	\$88,138		
Subcontractor	IHC	Everlast	PPM		
Type of Work	HDD	Concrete Flatwork	Pavement Marking		
Subcontract Price	\$44,860	\$431,834	\$41,791		
Amount Uncompleted	\$44,860	\$431,834	\$41,791		
Subcontractor		Hometowne Electric	Hometowne Electric		
Type of Work		Electric	Electric		
Subcontract Price		\$636,081	\$694,603		
Amount Uncompleted		\$636,081	\$694,603		
Subcontractor		Industrial Fence	Kreativescape		
Type of Work		Fence	Concrete		
Subcontract Price		\$68,622	\$271,314		
Amount Uncompleted		\$68,622	\$271,314		
Subcontractor		Marking Socialists	Maintenance Coatins		
Type of Work		Pavement Marking	Traffic Control		
Subcontract Price		\$48,141	\$307,013		
Amount Uncompleted		\$48,141	\$307,013		
Subcontractor		Work Zone Safety	Northern Contracting		
Type of Work		Traffic Control	Fence		
Subcontract Price		\$96,111	\$64,382		
Amount Uncompleted		\$96,111	\$64,382		
Total Uncompleted	\$533,640	\$2,205,943	\$2,328,129		



Affidavit of Availability

For the Letting of: 05/15/24

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, IL 62764

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	1	2	3	4	Awards Pending	Accumulated Totals
Contract Number	62J41	14-00144-20-CH	16th St. WaterM	Park City		
Contract With	IDOT	LCDOT	North Chicago	LCSWM		
Estimated Completion Date	10/31/24	10/31/24	05/31/24	05/01/24		
Total Contract Price	\$7,886,157	\$3,392,455	\$8,991,661	\$2,714,047		
Uncompleted Dollar Value if Firm is the Prime Contractor	\$7,886,157	\$3,200,405	\$6,805,000	\$1,199,134		\$29,248,445
Uncompleted Dollar Value if Firm is the Subcontractor						
Total Value of All Work						\$29,248,445

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

Earthwork	\$2,045,000	\$873,023		\$402,000		\$4,155,592
Portland Cement Concrete Paving						
HMA Plant Mix						
HMA Paving		\$55,000				\$117,400
Clean & Seal Cracks/Joints						
Aggregate Bases, Surfaces	\$565,479	\$319,979				\$1,642,363
Highway, R.R., Waterway Struc.						
Drainage	\$585,000	\$355,808	\$5,231,912	\$277,000		\$8,971,666
Electrical						
Cover and Seal Coats						
Concrete Construction						\$122,217
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning, Rotomilling						
Demolition						
Pavement Markings (Paint)						
Other Construction (List)						\$657,000
Rem existing Structure	\$1,979,000					\$1,979,000
Totals	\$5,174,479	\$1,603,810	\$5,231,912	\$679,000		\$17,645,238

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor	Dunnet Bay	Peter Baker	Peter Baker	Peter Baker	
Type of Work	Structural Concrete	HMA	Asphalt Paving	Asphalt Paving	
Subcontract Price	\$2,144,665	\$673,218	\$925,904	\$165,134	
Amount Uncompleted	\$2,044,665	\$673,218	\$925,904	\$165,134	
Subcontractor	Arteaga	TCP	Carrera Concrete	Chadwick	
Type of Work	Landscaping	Traffic Control	Concrete	Concrete	
Subcontract Price	\$38,391	\$111,523	\$406,498	\$320,000	
Amount Uncompleted	\$38,391	\$111,523	\$406,498	\$320,000	
Subcontractor	Carrera	Homer	KD Staples	KD Staples	
Type of Work	Concrete	Tree Clearing	Landscaping	Landscaping	
Subcontract Price	\$170,347	\$64,671	\$68,065	\$35,000	
Amount Uncompleted	\$170,347	\$0	\$68,065	\$35,000	
Subcontractor	Peter Baker	Gary Weiss	Superior Road Strip		
Type of Work	HMA	Landscaping	Pavement Marking		
Subcontract Price	\$232,612	\$151,142	\$68,621		
Amount Uncompleted	\$232,612	\$151,142	\$68,621		
Subcontractor	Industrial Fence	Alliance	TCP		
Type of Work	Guardrail	Concrete	Traffic Control		
Subcontract Price	\$66,513	\$190,440	\$41,000		
Amount Uncompleted	\$66,513	\$190,440	\$41,000		
Subcontractor	Work Zone Safety	Hometowne Electric	Bulls Eye Boring		
Type of Work	Traffic Control	Electrical	Boring		
Subcontract Price	\$57,150	\$388,646	\$51,560		
Amount Uncompleted	\$37,150	\$388,646	\$0		
Subcontractor		D2K			
Type of Work		Pavement Marking			
Subcontract Price		\$81,626			
Amount Uncompleted		\$81,626			
Total Uncompleted	\$2,589,678	\$1,596,595	\$1,510,088	\$520,134	

Notary

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

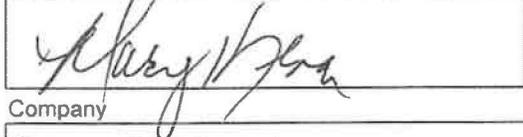
Officer or Director

Mary Kenar

Title

Executive Secretary/Treasurer

Signature



Date

5/14/2024

Company

Campanella & Sons, Inc.

Address

39207 N. Magnetics Blvd.

City

Wadsworth

State

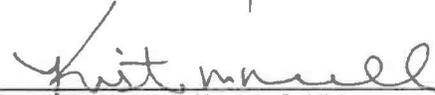
IL

Zip Code

60083

Subscribed and sworn to before me

this 15th day of May, 2024



(Signature of Notary Public)

My commission expires 2-26-2028



(Notary Seal)

Add pages for additional contracts

INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2024

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 1-1-22) (Revised 1-1-24)

SUPPLEMENTAL SPECIFICATIONS

<u>Std. Spec. Sec.</u>		<u>Page No.</u>
202	Earth and Rock Excavation	1
204	Borrow and Furnished Excavation	2
207	Porous Granular Embankment	3
211	Topsoil and Compost	4
407	Hot-Mix Asphalt Pavement (Full-Depth)	5
420	Portland Cement Concrete Pavement	6
502	Excavation for Structures	7
509	Metal Railings	8
540	Box Culverts	9
542	Pipe Culverts	29
586	Granular Backfill for Structures	34
630	Steel Plate Beam Guardrail	35
644	High Tension Cable Median Barrier	36
665	Woven Wire Fence	37
782	Reflectors	38
801	Electrical Requirements	40
821	Roadway Luminaires	43
1003	Fine Aggregates	44
1004	Coarse Aggregates	45
1010	Finely Divided Minerals	46
1020	Portland Cement Concrete	47
1030	Hot-Mix Asphalt	48
1061	Waterproofing Membrane System	49
1067	Luminaire	50
1097	Reflectors	57



Check Sheet for Recurring Special Provisions

Local Public Agency	County	Section Number
Village of Hawthorn Woods	Lake	

Check this box for lettings prior to 01/01/2023.

The Following Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Recurring Special Provisions

<u>Check Sheet #</u>		<u>Page No.</u>
1	<input type="checkbox"/> Additional State Requirements for Federal-Aid Construction Contracts	53
2	<input type="checkbox"/> Subletting of Contracts (Federal-Aid Contracts)	56
3	<input type="checkbox"/> EEO	57
4	<input type="checkbox"/> Specific EEO Responsibilities Non Federal-Aid Contracts	67
5	<input type="checkbox"/> Required Provisions - State Contracts	72
6	<input type="checkbox"/> Asbestos Bearing Pad Removal	78
7	<input type="checkbox"/> Asbestos Waterproofing Membrane and Asbestos HMA Surface Removal	79
8	<input type="checkbox"/> Temporary Stream Crossings and In-Stream Work Pads	80
9	<input type="checkbox"/> Construction Layout Stakes	81
10	<input type="checkbox"/> Use of Geotextile Fabric for Railroad Crossing	84
11	<input type="checkbox"/> Subsealing of Concrete Pavements	86
12	<input type="checkbox"/> Hot-Mix Asphalt Surface Correction	90
13	<input type="checkbox"/> Pavement and Shoulder Resurfacing	92
14	<input type="checkbox"/> Patching with Hot-Mix Asphalt Overlay Removal	93
15	<input type="checkbox"/> Polymer Concrete	95
16	<input type="checkbox"/> Reserved	97
17	<input type="checkbox"/> Bicycle Racks	98
18	<input type="checkbox"/> Temporary Portable Bridge Traffic Signals	100
19	<input type="checkbox"/> Nighttime Inspection of Roadway Lighting	102
20	<input type="checkbox"/> English Substitution of Metric Bolts	103
21	<input type="checkbox"/> Calcium Chloride Accelerator for Portland Cement Concrete	104
22	<input type="checkbox"/> Quality Control of Concrete Mixtures at the Plant	105
23	<input checked="" type="checkbox"/> Quality Control/Quality Assurance of Concrete Mixtures	113
24	<input type="checkbox"/> Reserved	129
25	<input type="checkbox"/> Reserved	130
26	<input type="checkbox"/> Temporary Raised Pavement Markers	131
27	<input type="checkbox"/> Restoring Bridge Approach Pavements Using High-Density Foam	132
28	<input type="checkbox"/> Portland Cement Concrete Inlay or Overlay	135
29	<input type="checkbox"/> Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	139
30	<input type="checkbox"/> Longitudinal Joint and Crack Patching	142
31	<input type="checkbox"/> Concrete Mix Design - Department Provided	144
32	<input type="checkbox"/> Station Numbers in Pavements or Overlays	145

Local Public Agency

County

Section Number

Village of Hawthorn Woods

Lake

The Following Local Roads And Streets Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Local Roads And Streets Recurring Special Provisions

<u>Check Sheet #</u>		<u>Page No.</u>
LRS 1	Reserved	147
LRS 2	<input type="checkbox"/> Furnished Excavation	148
LRS 3	<input checked="" type="checkbox"/> Work Zone Traffic Control Surveillance	149
LRS 4	<input checked="" type="checkbox"/> Flaggers in Work Zones	150
LRS 5	<input checked="" type="checkbox"/> Contract Claims	151
LRS 6	<input checked="" type="checkbox"/> Bidding Requirements and Conditions for Contract Proposals	152
LRS 7	<input type="checkbox"/> Bidding Requirements and Conditions for Material Proposals	158
LRS 8	Reserved	164
LRS 9	<input type="checkbox"/> Bituminous Surface Treatments	165
LRS 10	Reserved	169
LRS 11	<input checked="" type="checkbox"/> Employment Practices	170
LRS 12	<input checked="" type="checkbox"/> Wages of Employees on Public Works	172
LRS 13	<input checked="" type="checkbox"/> Selection of Labor	174
LRS 14	<input type="checkbox"/> Paving Brick and Concrete Paver Pavements and Sidewalks	175
LRS 15	<input checked="" type="checkbox"/> Partial Payments	178
LRS 16	<input type="checkbox"/> Protests on Local Lettings	179
LRS 17	<input checked="" type="checkbox"/> Substance Abuse Prevention Program	180
LRS 18	<input type="checkbox"/> Multigrade Cold Mix Asphalt	181
LRS 19	<input type="checkbox"/> Reflective Crack Control Treatment	182

BDE SPECIAL PROVISIONS
For the April 26 and June 14, 2024 Lettings

The following special provisions indicated by a "check mark" are applicable to this contract and will be included by the Project Coordination and Implementation Section of the Bureau of Design & Environment (BDE).

File Name	#		Special Provision Title	Effective	Revised
	80099	1	<input type="checkbox"/> Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2022
	80274	2	<input type="checkbox"/> Aggregate Subgrade Improvement	April 1, 2012	April 1, 2022
	80192	3	<input type="checkbox"/> Automated Flagger Assistance Devices	Jan. 1, 2008	April 1, 2023
	80173	4	<input type="checkbox"/> Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
	80426	5	<input type="checkbox"/> Bituminous Surface Treatment with Fog Seal	Jan. 1, 2020	Jan. 1, 2022
*	80241	6	<input type="checkbox"/> Bridge Demolition Debris	July 1, 2009	
*	50531	7	<input type="checkbox"/> Building Removal	Sept. 1, 1990	Aug. 1, 2022
*	50261	8	<input type="checkbox"/> Building Removal with Asbestos Abatement	Sept. 1, 1990	Aug. 1, 2022
	80449	9	<input type="checkbox"/> Cement, Type II	Aug. 1, 2023	
	80384	10	<input type="checkbox"/> Compensable Delay Costs	June 2, 2017	April 1, 2019
*	80198	11	<input type="checkbox"/> Completion Date (via calendar days)	April 1, 2008	
*	80199	12	<input type="checkbox"/> Completion Date (via calendar days) Plus Working Days	April 1, 2008	
	80453	13	<input type="checkbox"/> Concrete Sealer	Nov. 1, 2023	
	80261	14	<input checked="" type="checkbox"/> Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
	80434	15	<input type="checkbox"/> Corrugated Plastic Pipe (Culvert and Storm Sewer)	Jan. 1, 2021	
*	80029	16	<input type="checkbox"/> Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Mar. 2, 2019
	80229	17	<input type="checkbox"/> Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
	80452	18	<input type="checkbox"/> Full Lane Sealant Waterproofing System	Nov. 1, 2023	
	80447	19	<input checked="" type="checkbox"/> Grading and Shaping Ditches	Jan. 1, 2023	
	80433	20	<input type="checkbox"/> Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	Jan. 1, 2022
	80443	21	<input type="checkbox"/> High Tension Cable Median Barrier Removal	April 1, 2022	
	80456	22	<input checked="" type="checkbox"/> Hot-Mix Asphalt	Jan. 1, 2024	
	80446	23	<input type="checkbox"/> Hot-Mix Asphalt - Longitudinal Joint Sealant	Nov. 1, 2022	Aug. 1, 2023
	80438	24	<input type="checkbox"/> Illinois Works Apprenticeship Initiative – State Funded Contracts	June 2, 2021	April 2, 2024
	80045	25	<input type="checkbox"/> Material Transfer Device	June 15, 1999	Jan. 1, 2022
	80450	26	<input type="checkbox"/> Mechanically Stabilized Earth Retaining Walls	Aug. 1, 2023	
	80441	27	<input checked="" type="checkbox"/> Performance Graded Asphalt Binder	Jan. 1, 2023	
	80451	28	<input checked="" type="checkbox"/> Portland Cement Concrete	Aug. 1, 2023	
*	34261	29	<input type="checkbox"/> Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2022
	80455	30	<input type="checkbox"/> Removal and Disposal of Regulated Substances	Jan. 1, 2024	April 1, 2024
	80445	31	<input checked="" type="checkbox"/> Seeding	Nov. 1, 2022	
	80457	32	<input type="checkbox"/> Short Term and Temporary Pavement Markings	April 1, 2024	
	80448	33	<input type="checkbox"/> Source of Supply and Quality Requirements	Jan. 2, 2023	
	80340	34	<input type="checkbox"/> Speed Display Trailer	April 2, 2014	Jan. 1, 2022
	80127	35	<input type="checkbox"/> Steel Cost Adjustment	April 2, 2004	Jan. 1, 2022
	80397	36	<input type="checkbox"/> Subcontractor and DBE Payment Reporting	April 2, 2018	
	80391	37	<input checked="" type="checkbox"/> Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
	80437	38	<input checked="" type="checkbox"/> Submission of Payroll Records	April 1, 2021	Nov. 2, 2023
	80435	39	<input type="checkbox"/> Surface Testing of Pavements – IRI	Jan. 1, 2021	Jan. 1, 2023
	80410	40	<input type="checkbox"/> Traffic Spotters	Jan. 1, 2019	
*	20338	41	<input type="checkbox"/> Training Special Provisions	Oct. 15, 1975	Sept. 2, 2021
	80429	42	<input type="checkbox"/> Ultra-Thin Bonded Wearing Course	April 1, 2020	Jan. 1, 2022
	80439	43	<input checked="" type="checkbox"/> Vehicle and Equipment Warning Lights	Nov. 1, 2021	Nov. 1, 2022
	80302	44	<input type="checkbox"/> Weekly DBE Trucking Reports	June 2, 2012	Nov. 1, 2021
	80454	45	<input type="checkbox"/> Wood Sign Support	Nov. 1, 2023	
	80427	46	<input checked="" type="checkbox"/> Work Zone Traffic Control Devices	Mar. 2, 2020	
*	80071	47	<input type="checkbox"/> Working Days	Jan. 1, 2002	

Highlighted items indicate a new or revised special provision for the letting.

An * indicates the special provision requires additional information from the designer, which needs to be submitted separately. The Project Coordination and Implementation Section will then include the information in the applicable special provision.

Lake County Prevailing Wage Rates posted on 1/25/2024

Trade Title	Rg	Type	C	Base	Foreman	Overtime					H/W	Pension	Vac	Trng	Other Ins	Add OT 1.5x owed	Add OT 2.0x owed
						M-F	Sa	Su	Hol								
ASBESTOS ABT-GEN	AII	ALL		48.90	49.90	1.5	1.5	2.0	2.0	17.37	15.91	0.00	0.91		0.00	0.00	
ASBESTOS ABT-MEC	AII	BLD		40.59	43.84	1.5	1.5	2.0	2.0	15.22	15.16	0.00	0.88		2.80	5.60	
BOILERMAKER	AII	BLD		54.71	59.63	2.0	2.0	2.0	2.0	6.97	25.06	0.00	2.83		0.00	0.00	
BRICK MASON	AII	BLD		50.81	55.89	1.5	1.5	2.0	2.0	12.50	23.01	0.00	1.16	0.00	0.00	0.00	
CARPENTER	AII	ALL		53.51	55.51	1.5	1.5	2.0	2.0	12.29	25.26	1.70	0.81		0.00	0.00	
CEMENT MASON	AII	ALL		48.50	50.50	2.0	1.5	2.0	2.0	11.89	30.03	0.00	0.80	0.00	0.00	0.00	
CERAMIC TILE FINISHER	AII	BLD		45.62	45.62	1.5	1.5	2.0	2.0	12.75	15.64	0.00	1.04	0.00	0.00	0.00	
CERAMIC TILE LAYER	AII	BLD		53.14	58.14	1.5	1.5	2.0	2.0	12.75	19.41	0.00	1.12	0.00	0.00	0.00	
COMMUNICATION TECHNICIAN	AII	BLD		42.37	45.17	1.5	1.5	2.0	2.0	14.02	19.97	2.16	0.93	0.00	0.00	0.00	
ELECTRIC PWR EQMT OP	AII	ALL		49.22	67.16	1.5	1.5	2.0	2.0	7.00	13.79	0.00	1.47	1.48	0.00	0.00	
ELECTRIC PWR GRNDMAN	AII	ALL		37.81	67.16	1.5	1.5	2.0	2.0	7.00	10.58	0.00	1.14	1.13	0.00	0.00	
ELECTRIC PWR LINEMAN	AII	ALL		59.17	67.16	1.5	1.5	2.0	2.0	7.00	16.57	0.00	1.77	1.78	0.00	0.00	
ELECTRIC PWR TRK DRV	AII	ALL		39.19	67.16	1.5	1.5	2.0	2.0	7.00	10.98	0.00	1.17	1.18	0.00	0.00	
ELECTRICIAN	AII	BLD		44.30	48.55	1.5	1.5	2.0	2.0	15.32	27.06	6.55	0.71	0.00	0.00	0.00	
ELEVATOR CONSTRUCTOR	AII	BLD		65.12	73.26	2.0	2.0	2.0	2.0	16.08	20.56	5.20	0.70		0.00	0.00	
FENCE ERECTOR	AII	ALL		48.48	50.48	1.5	1.5	2.0	2.0	13.68	18.32	0.00	0.75	0.00	0.00	0.00	
GLAZIER	AII	BLD		49.75	51.25	1.5	2.0	2.0	2.0	15.44	25.36	0.00	2.07	0.00	0.00	0.00	
HEAT/FROST INSULATOR	AII	BLD		54.12	57.37	1.5	1.5	2.0	2.0	15.22	17.86	0.00	0.88		4.15	8.30	
IRON WORKER	AII	ALL		57.00	59.00	2.0	2.0	2.0	2.0	17.05	25.56	0.00	0.49		0.00	0.00	
LABORER	AII	ALL		48.90	49.65	1.5	1.5	2.0	2.0	17.37	15.91	0.00	0.91		0.00	0.00	
LATHER	AII	ALL		53.51	55.51	1.5	1.5	2.0	2.0	12.29	25.26	1.70	0.81		0.00	0.00	
MACHINIST	AII	BLD		55.74	59.74	1.5	1.5	2.0	2.0	9.93	8.95	1.85	1.47		0.00	0.00	
MARBLE FINISHER	AII	ALL		38.75	52.46	1.5	1.5	2.0	2.0	12.50	20.95	0.00	0.66	0.00	0.00	0.00	
MARBLE SETTER	AII	BLD		49.96	54.96	1.5	1.5	2.0	2.0	12.50	22.31	0.00	0.85	0.00	0.00	0.00	
MATERIAL TESTER I	AII	ALL		38.90		1.5	1.5	2.0	2.0	17.37	15.91	0.00	0.91		0.00	0.00	
MATERIALS TESTER II	AII	ALL		43.90		1.5	1.5	2.0	2.0	17.37	15.91	0.00	0.91		0.00	0.00	

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MILLWRIGHT	AII	ALL		53.51	55.51	1.5	1.5	2.0	2.0	12.29	25.26	1.70	0.81		0.00	0.00
OPERATING ENGINEER	AII	BLD	1	56.60	60.60	2.0	2.0	2.0	2.0	22.95	20.05	2.00	2.70		0.00	0.00
OPERATING ENGINEER	AII	BLD	2	55.30	60.60	2.0	2.0	2.0	2.0	22.95	20.05	2.00	2.70		0.00	0.00
OPERATING ENGINEER	AII	BLD	3	52.75	60.60	2.0	2.0	2.0	2.0	22.95	20.05	2.00	2.70		0.00	0.00
OPERATING ENGINEER	AII	BLD	4	51.00	60.60	2.0	2.0	2.0	2.0	22.95	20.05	2.00	2.70		0.00	0.00
OPERATING ENGINEER	AII	BLD	5	60.35	60.60	2.0	2.0	2.0	2.0	22.95	20.05	2.00	2.70		0.00	0.00
OPERATING ENGINEER	AII	BLD	6	57.60	60.60	2.0	2.0	2.0	2.0	22.95	20.05	2.00	2.70		0.00	0.00
OPERATING ENGINEER	AII	BLD	7	59.60	60.60	2.0	2.0	2.0	2.0	22.95	20.05	2.00	2.70		0.00	0.00
OPERATING ENGINEER	AII	FLT	1	64.55	64.55	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70		0.00	0.00
OPERATING ENGINEER	AII	FLT	2	63.05	64.55	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70		0.00	0.00
OPERATING ENGINEER	AII	FLT	3	58.55	64.55	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70		0.00	0.00
OPERATING ENGINEER	AII	FLT	4	54.05	64.55	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70		0.00	0.00
OPERATING ENGINEER	AII	FLT	5	66.05	64.55	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70		0.00	0.00
OPERATING ENGINEER	AII	FLT	6	54.05	64.55	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70		0.00	0.00
OPERATING ENGINEER	AII	HWY	1	54.80	58.80	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70		0.00	0.00
OPERATING ENGINEER	AII	HWY	2	54.25	58.80	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70		0.00	0.00
OPERATING ENGINEER	AII	HWY	3	52.20	58.80	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70		0.00	0.00
OPERATING ENGINEER	AII	HWY	4	50.80	58.80	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70		0.00	0.00
OPERATING ENGINEER	AII	HWY	5	49.60	58.80	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70		0.00	0.00
OPERATING ENGINEER	AII	HWY	6	57.80	58.80	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70		0.00	0.00
OPERATING ENGINEER	AII	HWY	7	55.80	58.80	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70		0.00	0.00
ORNAMENTAL IRON WORKER	AII	ALL		55.01	57.51	2.0	2.0	2.0	2.0	14.23	26.00	0.00	2.00	0.00	0.00	0.00
PAINTER	AII	ALL		51.55	57.99	1.5	1.5	1.5	2.0	14.76	15.69	0.00	1.86	0.00	0.00	0.00
PAINTER - SIGNS	AII	BLD		45.49	51.09	1.5	1.5	2.0	2.0	8.20	16.81	0.00	0.00	0.00	0.00	0.00
PILEDRIVER	AII	ALL		53.51	55.51	1.5	1.5	2.0	2.0	12.29	25.26	1.70	0.81		0.00	0.00
PIPEFITTER	AII	BLD		55.00	58.00	1.5	1.5	2.0	2.0	12.65	22.85	0.00	3.12	0.00	0.00	0.00
PLASTERER	AII	BLD		49.65	52.63	2.0	1.5	2.0	2.0	11.89	29.38	0.00	0.80	0.00	0.00	0.00
PLUMBER	AII	BLD		56.80	60.20	1.5	1.5	2.0	2.0	17.00	17.29	0.00	1.73		0.00	0.00
ROOFER	AII	BLD		49.25	54.25	1.5	1.5	2.0	2.0	11.83	16.14	0.00	1.11	0.00	0.00	0.00

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SHEETMETAL WORKER	All	BLD		51.15	55.24	1.5	1.5	2.0	2.0	14.18	28.45	0.00	1.05	0.00	0.00	0.00
SIGN HANGER	All	BLD		35.72	38.58	1.5	1.5	2.0	2.0	7.15	4.60	0.00	0.00	0.00	0.00	0.00
SPRINKLER FITTER	All	BLD		56.60	59.35	1.5	1.5	2.0	2.0	14.45	18.80	0.00	0.75	0.00	0.00	0.00
STEEL ERECTOR	All	ALL		57.00	59.00	2.0	2.0	2.0	2.0	17.05	25.56	0.00	0.49		0.00	0.00
STONE MASON	All	BLD		50.81	55.89	1.5	1.5	2.0	2.0	12.50	23.01	0.00	1.16	0.00	0.00	0.00
TERRAZZO FINISHER	All	BLD		46.94	46.94	1.5	1.5	2.0	2.0	12.75	17.73	0.00	1.07	0.00	0.00	0.00
TERRAZZO MECHANIC	All	BLD		50.85	54.35	1.5	1.5	2.0	2.0	12.75	19.12	0.00	1.10	0.00	0.00	0.00
TRAFFIC SAFETY WORKER I	All	HWY		40.10	41.70	1.5	1.5	2.0	2.0	10.60	9.35	0.00	1.00	0.00	0.00	0.00
TRAFFIC SAFETY WORKER II	All	HWY		41.10	42.70	1.5	1.5	2.0	2.0	10.60	9.35	0.00	1.00	0.00	0.00	0.00
TRUCK DRIVER	All	ALL	1	43.54	44.09	1.5	1.5	2.0	2.0	12.40	12.50	0.00	0.15	0.00	0.00	0.00
TRUCK DRIVER	All	ALL	2	43.69	44.09	1.5	1.5	2.0	2.0	12.40	12.50	0.00	0.15	0.00	0.00	0.00
TRUCK DRIVER	All	ALL	3	43.89	44.09	1.5	1.5	2.0	2.0	12.40	12.50	0.00	0.15	0.00	0.00	0.00
TRUCK DRIVER	All	ALL	4	44.09	44.09	1.5	1.5	2.0	2.0	12.40	12.50	0.00	0.15	0.00	0.00	0.00
TUCKPOINTER	All	BLD		50.53	51.53	1.5	1.5	2.0	2.0	9.55	21.72	0.00	1.11	0.00	0.00	0.00

Legend

Rg Region

Type Trade Type - All,Highway,Building,Floating,Oil & Chip,Rivers

C Class

Base Base Wage Rate

OT M-F Unless otherwise noted, OT pay is required for any hour greater than 8 worked each day, Mon through Fri. The number listed is the multiple of the base wage.

OT Sa Overtime pay required for every hour worked on Saturdays

OT Su Overtime pay required for every hour worked on Sundays

OT Hol Overtime pay required for every hour worked on Holidays

H/W Health/Welfare benefit

Vac Vacation

Trng Training

Other Ins Employer hourly cost for any other type(s) of insurance provided for benefit of worker.

Explanations LAKE COUNTY

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed

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on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

EXPLANATION OF CLASSES

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

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

CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATION TECHNICIAN

Low voltage construction, installation, maintenance and removal of telecommunication facilities (voice, sound, data and video) including outside plant, telephone, security systems and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area network), LAN (local area networks), and ISDN (integrated system digital network), pulling of wire in raceways, but not the installation of raceways.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble,

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holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

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

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

OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft; Concrete Paver 27E cu. ft. and Under; Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Heavy Duty Self-Propelled Transporter or Prime Mover; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician; Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Operation of Tie Back Machine; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

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

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators (remodeling or renovation work); Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

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

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Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines; ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types: Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dredges; Elevators, Outside type Rack & Pinion and Similar Machines; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Heavy Duty Self-Propelled Transporter or Prime Mover; Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Trenching; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; Hydro Excavating (excluding hose work); Laser Screed; All Locomotives, Dinky; Off-Road Hauling Units (including articulating) Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper - Single/Twin Engine/Push and Pull; Scraper - Prime Mover in Tandem (Regardless of Size); Tractors pulling attachments, Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

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

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Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Vacuum Trucks (excluding hose work); Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. SkidSteer Loader (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders

Class 7. Dowell Machine with Air Compressor; Gradall and machines of like nature.

OPERATING ENGINEER - FLOATING

Class 1. Craft Foreman; Master Mechanic; Diver/Wet Tender; Engineer; Engineer (Hydraulic Dredge).

Class 2. Crane/Backhoe Operator; Boat Operator with towing endorsement; Mechanic/Welder; Assistant Engineer (Hydraulic Dredge); Leverman (Hydraulic Dredge); Diver Tender.

Class 3. Deck Equipment Operator, Machineryman, Maintenance of Crane (over 50 ton capacity) or Backhoe (115,000 lbs. or more); Tug/Launch Operator; Loader/Dozer and like equipment on Barge, Breakwater Wall, Slip/Dock, or Scow, Deck Machinery, etc.

Class 4. Deck Equipment Operator, Machineryman/Fireman (4 Equipment Units or More); Off Road Trucks; Deck Hand, Tug Engineer, Crane Maintenance (50 Ton Capacity and Under) or Backhoe Weighing (115,000 pounds or less); Assistant Tug Operator.

Class 5. Friction or Lattice Boom Cranes.

Class 6. ROV Pilot, ROV Tender

TRAFFIC SAFETY Worker I

Traffic Safety Worker I - work associated with the delivery, installation, pick-up and servicing of safety devices during periods of roadway construction, including such work as set-up and maintenance of barricades, barrier wall reflectors, drums, cones, delineators, signs, crash attenuators, glare screen and other such items, and the layout and application or removal of conflicting and/or temporary roadway markings utilized to control traffic in construction zones, as well as flagging for these operations.

TRAFFIC SAFETY WORKER II

Work associated with the installation and removal of permanent pavement markings and/or pavement markers including both installations performed by hand and installations performed by truck.

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION

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Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters; Unskilled Dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

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

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

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

TERRAZZO FINISHER

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

Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

LANDSCAPING

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

Lake County Prevailing Wage Rates posted on 1/25/2024

MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

Notwithstanding the difference in the classification title, the classification entitled "Material Tester I" involves the same job duties as the classification entitled "Material Tester/Inspector I". Likewise, the classification entitled "Material Tester II" involves the same job duties as the classification entitled "Material Tester/Inspector II".

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SPECIAL PROVISIONS

The "Standard Specifications for Road and Bridge Construction" adopted January 1, 2022, as amended by the Supplemental Specifications and Recurring Special Provisions, adopted January 1, 2024; the Bureau of Design and Environment (BDE) Special Provisions indicated on the respective Check Sheets herein, the latest edition of the "Manual on Uniform Traffic Control Devices", "Manual of Test Procedures", and the "Manual for Materials Inspection," adopted May 19, 2023, all issued by the State of Illinois Department of Transportation, hereinafter referred to as the "Standard Specifications", and the "Standard Specification for Water & Sewer Main Construction in Illinois", Eighth Edition, are hereby incorporated by reference and shall apply to and govern the construction of the INDIAN CREEK ROAD CULVERT REPLACEMENT/STREAMBANK STABILIZATION, in Hawthorn Woods, Lake County, Illinois.

The following SPECIAL PROVISIONS supplement the STANDARD SPECIFICATIONS shall apply to and govern the construction of the INDIAN CREEK ROAD CULVERT REPLACEMENT/STREAMBANK STABILIZATION in Hawthorn Woods, Lake County, Illinois. In case of conflict with any part or parts of said specifications, said SPECIAL PROVISIONS shall take precedence and shall govern.

Project Location:

Base Bid: STA. 54+00 to STA. 55+00 on Indian Creek Road (see plans).

Alternate 1 Bid: 250 feet west of proposed box culvert (see plans).

Project Length: 100'

Project Scope:

Base Bid:

Resurfacing: Scope includes Pavement Removal and replacement with HMA Surface Course 2", HMA Binder Course 8", Aggregate Base Course, Type B 6", along with installation of PCC Shoulders, 9", raised reflective pavement marker removal and replacement, pavement striping, and any necessary restoration.

Reinforced Concrete Box Culvert Installation: The scope of the project will include replacement of the existing 80-inch Corrugated Metal Pipe (CMP) culvert under Indian Creek Road. The proposed culvert crossing will be a 12'x6'Reinforced Concrete Box Culvert (RCBC) with a precast end section and wingwalls with an 8-inch-thick concrete. Along each side of the roadway and tied into the culvert headwall would be a barrier wall.

Streambank Stabilization (East End): The location for the Base Bid is the east end of the project in the area adjacent to the proposed box culvert. The scope for the soil, erosion, and sediment control of this location of the project includes tree removal and installation of silt fences. The proposed stabilization technique is installation of native prairie vegetation along with topsoil, seeding, erosion control blanket, and installation of riprap.

Alternate 1 Bid:

Streambank Stabilization (West End): The location for the Alternate 1 Bid is the west end of the project at the hairpin meander approximately 250 feet west of the proposed box culvert shown on the plans. The scope for the soil, erosion, and sediment control of this location of the project includes tree removal and installation of silt fences. The scope for the streambank stabilization of the west location of the project includes stabilizing the meander by installing gabion baskets which will range from 7.5 feet above the water at the west side to 1.5 feet at the east side. The scope also includes installation of native prairie vegetation above the wall.

Basis of Award:

The Village will choose the "low bidder" based upon Village's budget, and the total for the Base Bid and Alternate Bid.

All removal or excavation items being disposed of at an uncontaminated soil fill operation or clean construction and demolition debris (CCDD) fill site shall meet the requirements of Public Act 96-1416. all costs associated with meeting these requirements shall be included in the unit price cost for the associated removal or excavation items in the contract. These costs shall include but are not limited to all required testing, lab analysis, certification by a licensed professional engineer, and state and local tipping fees.

DEFINITION OF TERMS

In addition to the definitions included in Section 101 of the "Standard Specifications for Road and Bridge Construction", adopted January 1, 2022, the following should be added:

Engineer - shall be the firm of Christopher B. Burke Engineering, Ltd. as Engineer employed by the Owner.

Owner - shall be the Village of Hawthorn Woods.

Municipality - shall be the Village of Hawthorn Woods.

Department - shall be the Village of Hawthorn Woods.

FAILURE TO COMPLETE THE WORK ON TIME

Delete Article 108.09 of the STANDARD SPECIFICATIONS and substitute with the following:

Time is of the essence to the contract. Should the CONTRACTOR fail to complete the work on or before the completion date stipulated in the contract or within such extended time as may have been allowed, the CONTRACTOR shall be liable and shall pay to the Village the sum of \$1,050 per working day, not as a penalty but as liquidated damages, for each day of overrun in the contract time or such extended time as may have been allowed. Should the CONTRACTOR fail to complete the work on or before the interim allowable working days per location, the CONTRACTOR shall be liable and pay to the Village the sum of \$1,050 per working day per location, not as a penalty but as liquidated damages, for each day of overrun. The liquidated damages for failure to complete the contract on time are approximate, due to the impracticality of calculating and proving actual delay costs. The liquidated damage amount establishes the cost of delay to account for administration, engineering, inspection, and supervision during periods of extended and delayed performance. The costs of delay represented by the liquidated damage amount are understood to be a fair and reasonable estimate of the costs that will be borne by the Village during extended and delayed performance by the CONTRACTOR for the work, remaining incidental work, correction of work improperly completed, or repair of work damaged as a result of the CONTRACTOR. The liquidated damage amount specified will accrue and be assessed until final completion of the total physical work of the contract even though the work may be substantially complete. The Village will deduct these liquidated damages from any monies due or to become due to the CONTRACTOR from the Village.

SIGNS

The CONTRACTOR shall remove and relocate all street signs located in or near the construction zone as directed by the Village. The CONTRACTOR shall be responsible for replacing at his expense any signs damaged during the course of construction and the operation of removing and relocating any signs. The removal and relocation of all existing signs within the construction limits shall not be paid for separately but shall be incidental to the contract.

PREVAILING WAGE RATES

When engaged in construction of a “public work,” within the meaning of Illinois Prevailing Wage Act, 820 ILCS 130/.01 et seq. (“the Act”), the Act requires Contractors and Subcontractors to pay laborers, workers and mechanics performing services on public works projects no less than the “prevailing rate of wages” (hourly wages plus fringe benefits) in the county where the work is performed.

For information regarding current prevailing wage rates, please refer to the Illinois Department of Labor’s website at: www.state.il.us/agency/idol/rates/rates.HTM. All Contractors and Subcontractors rendering services under a Contract for the construction of a public work must comply with all requirements of the Act, including but not limited to, all wage, notice and record keeping duties.

The term general prevailing hourly rate, when used in this requirement will mean the hourly cash wages plus fringe benefits for health and welfare, insurance, vacations and pensions paid generally, in the locality in which the work is being performed, to employees engaged in work of a similar character on public works.

As a condition of making payment to the Contractor, the Village may require the Contractor to submit an affidavit to the effect that not less than the prevailing hourly wage rate is being paid to laborers, mechanics and other workmen employed on this Contract in accordance with Illinois or federal law, as applicable.

COMMENCEMENT OF WORK

Start Date: June 3, 2024

Completion Date (Including Punch List Items): July 24, 2024

STATUS OF UTILITIES (D-1)

Effective: June 1, 2016

Revised: January 1, 2020

Utility companies and/or municipal owners located within the construction limits of this project have provided the following information regarding their facilities and the proposed improvements. The tables below contain a description of specific conflicts to be resolved and/or facilities which will require some action on the part of the Department's contractor to proceed with work. Each table entry includes an identification of the action necessary and, if applicable, the estimated duration required for the resolution.

UTILITIES TO BE ADJUSTED

Conflicts noted below have been identified by following the suggested staging plan included in the contract. The company has been notified of all conflicts and will be required to obtain the necessary permits to complete their work; in some instances, resolution will be a function of the construction staging. The responsible agency must relocate, or complete new installations as noted below; this work has been deemed necessary to be complete for the Department's contractor to then work in the stage under which the item has been listed.

No conflicts to be resolved

UTILITIES TO BE WATCHED AND PROTECTED

The areas of concern noted below have been identified by following the suggested staging plan included for the contract. The information provided is not a comprehensive list of all remaining utilities, but those which during coordination were identified as ones which might require the Department's contractor to take into consideration when making the determination of the means and methods that would be required to construct the proposed improvement. In some instances, the contractor will be responsible to notify the owner in advance of the work to take place so necessary staffing on the owner's part can be secured.

No facilities requiring extra consideration

The following contact information is what was used during the preparation of the plans as provided by the owner of the facility.

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Agency/Company Responsible to Resolve Conflict	Name of contact	Address	Phone	e-mail address
AT&T (Distribution)	Jamel McGinnis	1000 Commerce Drive Floor 1 Oak Brook, IL 60523	n/a	Email: g11629@att.com
Comcast	Martha Gieras	688 Industrial Drive Elmhurst, IL 60126	224-229-5862	Email: Martha_gieras@cable.comcast.com
ComEd Electronic-Plan-Submittal	Lisa Argast	n/a	Bus: 630-576-7094	Email: PlanSubmittalsandMapRequests@exeloncorp.com Email 2: Lisa.mavity@comed.com
Nicor Gas	Sakibul Forah	1844 Ferry Rd. Naperville, IL 60563	Bus: 630-388-2903	Email: gasmaps@algresources.com Email 2: sforah@southernco.com
North Shore Gas	Jay Hammer	3001 Grand Ave. Waukegan, IL 60085	847-263-4678	Email: Jay.hammer@northshoregasdelivery.com

The above represents the best information available to the Department and is included for the convenience of the bidder. The days required for conflict resolution should be considered in the bid as this information has also been factored into the timeline identified for the project when setting the completion date. The applicable portions of the Standard Specifications for Road and Bridge Construction shall apply.

Estimated duration of time provided above for the first conflicts identified will begin on the date of the executed contract regardless of the status of the utility relocations. The responsible agencies will be working toward resolving subsequent conflicts in conjunction with contractor activities in the number of days noted.

The estimated relocation duration must be part of the progress schedule submitted by the contractor. A utility kickoff meeting will be scheduled between the Department, the Department's contractor and the utility companies when necessary. The Department's contractor is responsible for contacting J.U.L.I.E. prior to all excavation work.

TREE REMOVAL

1. Scope

This special provision outlines the requirements and procedures for de-brushing and tree removal within the project limits as directed by the Illinois Department of Transportation (IDOT) standards.

2. Definitions

- **Tree Removal:** The cutting down and removal of trees within the project limits. This pay item shall also include de-brushing which consists of the removal of shrubs, bushes, and other vegetation obstructing the

3. Responsibilities

The Contractor shall be responsible for:

- a. Conducting de-brushing and tree removal activities in accordance with the IDOT standards and specifications.
- b. Obtaining all necessary permits and permissions required for de-brushing and tree removal from relevant authorities.
- c. Ensuring the safe execution of de-brushing and tree removal activities to prevent any damage to existing infrastructure, adjacent properties, or the environment.

4. Method of De-brushing and Tree Removal

- a. De-brushing and tree removal shall be performed using appropriate equipment and techniques to minimize environmental impact and ensure efficient clearing of vegetation.
- b. All de-brushing and tree removal activities shall be conducted in compliance with applicable environmental regulations and guidelines.
- c. De-brushing and tree removal shall be carried out in stages, starting from areas closest to the project limits and progressing systematically to cover the entire designated area.

5. Environmental Protection

- a. The Contractor shall implement measures to minimize soil erosion, sedimentation, and disturbance to wildlife habitats during de-brushing and tree removal activities.
- b. All removed vegetation, including branches, leaves, and stumps, shall be disposed of in accordance with local regulations and as directed by the Engineer.

6. Compliance with IDOT Standards

The Contractor shall comply with all IDOT standards, specifications, and guidelines related to de-brushing and tree removal, including but not limited to:

- a. Standard Specifications for Road and Bridge Construction.
- b. Illinois Highway Code.
- c. Environmental Protection Guidelines.

7. Inspection and Acceptance

a. The Engineer shall conduct regular inspections to ensure compliance with the requirements outlined in this special provision.

b. De-brushing and tree removal activities shall be subject to acceptance by the Engineer before final approval.

8. Payment

This work will be measured and paid for at the contract unit price per ACRE for TREE REMOVAL, which price shall be payment in full for constructing this item as specified, including all materials, labor and equipment.

PRAIRIE SEEDING (SPECIAL)

Description. This work consists of preparing the seed bed, furnishing, transporting, and placing the seed, of the various mixes on predetermined areas. All work, materials, equipment, and incidentals shall conform to Section 250 and 1081 of the Standard Specifications except as modified herein and as directed by the ENGINEER.

Seed Specifications. The seed mix shall be supplied in pounds of Pure Live Seed. Only local genotypes shall be used; that is, seed shall be harvested from plants whose origin is within 150 miles of the site. If the seed listed is not available within 150 miles the ENGINEER may allow seed sourced from locations no more than 300 miles. The seed mix shall be supplied with appropriate inoculants. Fertilizer is not required.

Species Substitutions or Quantity Deviations. Prior to installation, the ENGINEER will review any species substitutions or quantity deviations submitted by the CONTRACTOR and reserves the authority to deny use of any species, if deemed unacceptable for the site and evaluate requested deviations in the listed quantities. The ENGINEER may consult with the OWNER regarding the suitability of the requested substitution.

All seed materials shall conform to the following requirements:

1. All supplied seed shall meet the requirements of Article 1081.04 of the Standard Specifications
2. Any seed received that does not meet these Specifications will be rejected by the ENGINEER and returned at the CONTRACTOR's expense.
3. All seed furnished by the CONTRACTOR shall be true to species name and variety for each seed mix tabulated in the plans.
4. All seed shall be guaranteed by the CONTRACTOR to be in a vigorous growing condition through three growing cycles (including three summer and two winter seasons). The guarantee period shall begin at the time of final acceptance.
5. The original (wild) source of seed shall be guaranteed within a 150-mile radius of McHenry County, Illinois. If the seed listed is not available within 150 miles the ENGINEER may allow seed sourced from locations no more than 300 miles. Any seed that is not shall be specified by geographic location and distance from McHenry County, Illinois, by the Vendor. Preference will be given to seed that originates within 150 miles of McHenry County, Illinois.
 - a. All species with dispersal appendages (e.g. Asclepias, Aster, Liatris, Solidago, etc.) are being requested on a "de-fluffed" (DF) basis. The Vendor must indicate if their seed is not available on a de-fluffed basis. Preference will be given to de-fluffed seed rather than bulk seed.
 - b. All "hulled" species (e.g. Desmodium, Lespedeza, Petalostemum, etc.) are being requested on a de-hulled (DH) basis. Vendor must indicate if their seed is not available on a de-hulled basis. Preference will be given to de-hulled seed rather than bulk seed.

6. Packaging for all species shall be clearly labeled on the outside with the following information:
 - a. Scientific name of species;
 - b. PLS value, PLS weight, and bulk weight;
 - c. Pure weight and bulk weight if seed is not available as PLS;
 - d. Seed tests must be attached to the packaging for all species at time of delivery;
 - e. Year of seed production and date of seed tests.
7. The Vendor shall provide (upon request) to the ENGINEER, a written description of the seed materials provided by the Vendor. This description shall include any or all of the following:
 - a. Provenance of the various species of seed;
 - b. Name and location of seed supplier, if not from Vendor's nursery;
 - c. Certificate of compliance from appropriate regulatory agencies indicating approval of seeds.
8. All legume species shall have the appropriate inoculants supplied with them.
9. The CONTRACTOR shall provide proof of acquisition of seed and associated seed tests as outlined above no later than May 1, 2014. There shall be no seed delivered to the project site or received by the ENGINEER on Fridays or holidays without prior approval.
10. All deliveries of seeds shall be packaged and delivered to ensure the viability of the seed material upon delivery. All seed shall be packed and covered in such a manner as to insure adequate protection against leakage, damage and to maintain dormancy while in transit.
11. Any delivery/shipping costs shall be integrated into the seed price per oz./lb. and the itemized cost. Do not give both a seed cost and a separate shipping/delivery cost.
12. Invoices shall directly reflect the quantities, price per unit, and itemized cost submitted to the Vendor in the form of Purchase Order and/or Attachment.

Mycorrhizal Inoculum: All native seed mixes shall be combined with an appropriate endomycorrhizal inoculant. The inoculants shall contain a diverse mixture of glomales fungal species (*Glomus* spp.) in pelletized form. Application rate shall be in accordance with the selected manufacturers recommendations. All seed shall be mixed with a granular form of endomycorrhizal inoculant prior to installation.

Seeding Method. The primary method for seeding is broadcasting with carrier agent via a mechanical spreader. Hydroseeding can be used for areas with erosion issues, or other hard to access areas, as allowed by the ENGINEER. Other methods may be presented to ENGINEER for consideration. The ENGINEER will have final approval of the installation method.

Areas to be seeded shall be firm but not compacted and shall be fine graded to a smooth and natural contour prior to seeding. All rocks, sticks, roots, clods, and debris greater than one inch in diameter shall be removed and disposed on site in locations approved by the ENGINEER.

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Immediately after rolling seeded area, place erosion control blanket on all slopes steeper than 3 feet horizontal to 1 foot vertical on the bottom of all ditches and adjacent to all trail and pavement edges. See typical section for type.

Immediately after rolling seeded areas and installation of EROSION CONTROL BLANKET on all slopes steeper than 3 feet horizontal to 1 foot vertical, apply hydromulch at a rate of 1 ton per acre within 24 hours after seeding. Use hydromulch on all seeded areas unless otherwise approved or specified.

Schedule. Seeding is to be performed during the dormant season (December 1 to February 28) when it may be broadcast on top of the ground using traditional broadcast seeding equipment that has been cleaned to prevent the spread of weed seed from another site. Broadcasting may be accomplished by hand-held spreader, gravity drop seeded, cyclone spreader, sting seeding, or similar method.

Note: Seeding will take place in the areas where cut stumps will remain. Seeding will not occur in existing remnant prairie areas or other special vegetation areas as directed by the ENGINEER.

Seeding must be completed between December 1 and February 28. Seeding shall not occur within one month of herbicide applications within the proposed seeding area.

Method of Measurement. This work will be measured for payment in place, in acres of land seeded of the type specified.

Basis of Payment. This work will be paid for at the contract unit price per acre for PRAIRIE SEEDING (SPECIAL), which shall constitute payment in full for all labor, materials, equipment, and incidentals necessary to complete the work as specified herein.

TEMPORARY BYPASS PUMPING SYSTEM

Description. This work shall also consist of providing labor, tools, equipment, and materials necessary for bypass pumping (regardless of the water source) the waterway around the work areas so that the improvements are constructed in the dry. The bypass pumping shall be 24 hours per day, seven days per week as needed to maintain relatively dry conditions within the work zone.

Requirements – Sediment Filter Bags.

- A. Sediment filter bags to be sized based on volume of water being pumped and quantity and type of sediment.
- B. Multiple discharges into a single bag are not permitted.
- C. Sediment filter bag shall be oriented to direct flow away from construction area and discharge filtered water into approved manhole or other receiving area.
- D. Sediment filter bag shall be replaced when it becomes ½ full of sediment or when the sediment has reduced discharge flow rate below the design requirements.
- E. Place straps, cross chains, pallets or other lifting device under the sediment filter bag for ease of replacement.

Materials – Sediment Filter Bags. The filter bags shall be made from a nonwoven, needle punched, polypropylene geotextile that meets the following values:

Weight - Typical	ASTM D-5261	8 oz/sy
Tensile Strength	ASTM D-4632	205 lbs
Elongation @ Break	ASTM D-4632	50%
Mullen Burst*	ASTM D-3786	350 psi
Puncture Strength*	ASTM D-4833	120 lbs
CBR Puncture	ASTM D-6241	535 lbs
Trapezoidal Tear	ASTM D-4533	85 lbs
Apparent Opening Size	ASTM D-4751	80 US Sieve
Permittivity	ASTM D-4491	1.35 Sec-1
Water Flow Rate	ASTM D-4491	90 g/min/sf
UV Resistance @ 500 Hours	ASTM D-4355	70%

Method of Measurement and Basis of Payment. This work will be paid for at the contract unit price per LUMP SUM for TEMPORARY BYPASS PUMPING SYSTEM, which shall include all labor and equipment necessary to complete the above work.

TRAFFIC CONTROL AND PROTECTION, (SPECIAL)

Description. This work shall consist of all labor, materials, transportation, handling and incidental work necessary to furnish, install, maintain and remove all traffic control devices required and as approved by the Engineer.

Construction Requirements. The CONTRACTOR shall provide the ENGINEER, at the preconstruction meeting, a proposed plan for traffic control and protection throughout the duration of the project. At the preconstruction meeting, the CONTRACTOR shall furnish the name of the individual in his direct employ who is to be responsible for the installation and maintenance of the traffic control for this project. If the actual installation and maintenance are to be accomplished by a subcontractor, consent shall be requested of the ENGINEER at the time of the preconstruction meeting in accordance with Article 108.01 of the Standard Specifications. This shall not relieve the CONTRACTOR of the requirement to have a responsible individual in his direct employ supervise the work.

This pay item includes the necessary traffic signage and traffic control required to detour traffic onto Indian Creek Road. The detour plan is as follows:

- Eastbound Traffic Detour: Gilmer Road [LCDOT Route](ADT 11,600) northwest to Midlothian Road [IDOT Route] (ADT 11,600) southeast to IL-83 [IDOT Route](ADT 17,500) east to Diamond Lake Road [LCDOT Route](ADT 6250) south to Indian Creek Road.
- Westbound Traffic Detour: Diamond Lake Road [LCDOT Route](ADT 11,600) north to IL-83 [IDOT Route](ADT 17,500) west to Midlothian Road [IDOT Route](ADT 11,600) south to Gilmer Road [LCDOT Route](ADT 11,600).

The CONTRACTOR shall refer to the "Schedule of Signs" and detour plan on Plan Sheet #7 (Maintenance of Traffic – Detour Plan) for the types, exact locations, and spacing for the detour signage.

Two weeks advance notification to the Lake County Department of Transportation is required prior to the operation of the detour route.

Construction operations shall be conducted in a manner such that streets will be open to emergency traffic.

Method of Measurement. This work will not be measured for payment.

Basis of Payment. This work will be paid for at the contract lump sum price for TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

CONSTRUCTION LAYOUT

The CONTRACTOR shall be required to furnish and place construction layout stakes for this project. The ENGINEER will provide adequate reference points to the centerline of survey and benchmarks as shown in the plans and listed herein. Any additional control points set by the ENGINEER will be identified in the field to the CONTRACTOR and all field notes will be kept in the office of the ENGINEER.

The CONTRACTOR shall provide field forces, equipment and material to set all additional stakes for this project, which are needed to establish offset stakes, reference points, and any other horizontal or vertical controls, including supplementary benchmarks, necessary to secure a correct layout of the work. Stakes for line and grade shall be set at sufficient station intervals (not to exceed 15 m (50 ft.)) to assure substantial conformance to plan line and grade. The CONTRACTOR will not be required to set additional stakes to locate a utility line which is not included as a pay item in the contract nor to determine property lines between private properties.

The CONTRACTOR shall be responsible for having the finished work substantially conform to the lines, grades, elevations and dimensions called for in the plans. Any inspection or checking of the CONTRACTOR'S layout by the ENGINEER and the acceptance of all or any part of it shall not relieve the CONTRACTOR of his/her responsibility to secure the proper dimension, grades and elevations of the several parts of the work. The CONTRACTOR shall exercise care in the preservation of stakes and benchmarks and shall have them reset at his/her expense when any are damaged, lost, displaced or removed or otherwise obliterated.

Responsibility of the ENGINEER

- a. The ENGINEER will locate and reference the centerline of all roads and streets. The centerline of private entrances and short street intersection returns will not be located or referenced by the ENGINEER.

Locating and referencing the centerline of survey will consist of establishing and referencing the control points of the centerline of surveys such as PC's, PT's and as many POT's as are necessary to provide a line of sight.

- b. Benchmarks will be established along the project outside of the construction lines not exceeding 300 m (1,000 ft.) intervals horizontally and 6 m (20 ft.) vertically.
- c. Stakes set for (a) and (b) above will be identified in the field to the CONTRACTOR.
- d. The ENGINEER will make random checks of the CONTRACTOR'S staking to determine if the work is in substantial conformance with the plans. Where the CONTRACTOR'S work will tie into work that is being or will be done by others, checks will be made to determine if the work is in conformance with the proposed overall grade and horizontal alignment.
- e. The ENGINEER will set all stakes for utility adjustment for building fences along the right of way line by parties other than the CONTRACTOR.

- f. The ENGINEER will make all arrangements and take all cross sections from which the various pay items are to be measured.
- g. Where the CONTRACTOR, in setting construction stakes, discovers discrepancies, the ENGINEER will check to determine their nature and make whatever revisions are necessary in the plans, including the re-cross sectioning of the area involved. Any additional re-staking required by the ENGINEER will be the responsibility of the CONTRACTOR. The additional re-staking done by the CONTRACTOR will be paid for in accordance with 109.04 of the STANDARD SPECIFICATIONS.
- h. The ENGINEER will accept responsibility for the accuracy of the initial control points as provided herein.
- i. It is not the responsibility of the ENGINEER, except as provided herein, to check the correctness of the CONTRACTOR'S stakes; however, any errors that are apparent will be immediately called to the CONTRACTOR'S attention and s(he) shall be required to make the necessary correction before the stakes are used for construction purposes.
- j. Where the plan quantities for excavation are to be used as the final pay quantities, the ENGINEER will make sufficient checks to determine if the work has been completed in substantial conformance with the plan cross sections.

Responsibility of the CONTRACTOR

- a. The CONTRACTOR shall establish from the given survey points and benchmarks all the control points necessary to construct the individual project elements. S(he) shall provide the ENGINEER adequate control in close proximity to each individual element to allow adequate checking of construction operations. This includes, but is not limited to, line and grade stakes, line and grade nails in form work, and/or filed or etched marks in substantially completed construction work.

It is the CONTRACTOR'S responsibility to tie in centerline control points in order to preserve them during construction operations.
- b. At the completion of the grading operations, the CONTRACTOR will be required to set stakes at 30 m (100 ft.) station intervals along each profile grade line. These stakes will be used for final cross sectioning by the ENGINEER.
- c. All work shall be in accordance with normally accepted self-checking surveying practices. Field notes shall be kept in standard survey field notebooks and those books shall become the property of the ENGINEER at the completion of the project. All notes shall be neat, orderly and in accepted form.

Measurement and Payment. This work will be paid for at the contract LUMP SUM price for CONSTRUCTION LAYOUT, which shall be payment in full for all labor, materials, transportation, and incidentals necessary to furnish, install, maintain, replace, and relocate all control and stationing points for the duration of the project.

CONCRETE RIBBON REMOVAL AND REPLACEMENT

Description. This item shall be used to remove existing concrete ribbon at the locations shown in the plans and then constructing a 24" (2') wide PCC shoulders at the edge of the existing asphalt pavement. This item includes excavation, pavement removal, 4" granular subbase, 9 inch PCC shoulder, filling gap between asphalt and new shoulder with Portland Cement Concrete, and backfilling the shoulder. The 4 inch Granular Subbase shall be compacted CA-6. This work shall be completed in accordance with Section 483 of the Standard Specification, the typical sections included herein, IDOT Standards 420001 and 483001 except for the following modifications:

- Contraction joint spacing shall be 15' c-c maximum.
- ¾" preformed joint filler expansion joint spacing 60' c-c maximum and at all points of curvature. 2-1" diameter by 18" long smooth epoxy coated dowel bars with greased expansion sleeves at one end will be required. Dowels to be placed at mid-depth of concrete.
- Tie bars will not be installed.
- Concrete shall have a broom finish.
- Portland Cement Concrete shall be installed between the existing pavement and concrete shoulder after the concrete shoulder has cured. This area shall be free of debris material prior to the concrete being installed. The Contractor shall place, work, and finish the material according to Articles 420 and 483 of the Standard Specifications.
- All necessary embankment for backfill shall be included in this pay item. The Contractor can use stone CA-7 or grindings on backside of the concrete shoulder to 6 inches below grade. The material must be machine compacted. The other 6 inches shall be topsoil.
- Contractor shall construct the new PCC shoulder ¼" below the new pavement for this project except where there is existing curb and gutter on the other side of the street. It shall be the Contractor's responsibility to set the profile for the proposed PCC shoulders. Setting the profile shall be included in the cost of this item.
- Must be machine poured.
- The concrete shall be cured.
- The excavation for the PCC shoulder will require the use of a 3' wide grinder.
- The back of the PCC ribbon shall be no more than 16 inches beyond the existing pavement.
- Approximately 2" of roadway shall be sawcut for the proposed ribbon per section 442 of the Standard Specifications as directed by the ENGINEER.

Method of Measurement and Basis of Payment. This work will be paid for at the contract unit price per linear foot for CONCRETE RIBBON REMOVAL AND REPLACEMENT of the thickness specified, which shall include all labor and equipment necessary to complete the above work.

COFFERDAMS, SEDIMENT FILTER BAG AND DEWATERING

Description. This work shall consist of installing, maintaining and removing a temporary sandbag cofferdam that closes the work zone from the creek water. The temporary sandbag cofferdam must be maintained as to allow the contractor to work “in the dry” and to control sediment. The cofferdam shall protect the site as required by the Project Permits, approved shop drawings, the special provision and plans, and as directed by the Engineer.

The cofferdams shall be designed, constructed and removed with the Engineer’s approval.

Materials. Any substance used to assemble or maintain cofferdams shall be nontoxic and non-hazardous. Any material used to minimize seepage underneath diversion structures, such as grout, shall be non-toxic, non-hazardous, and as close to neutral pH (7) as possible.

The exterior of vehicles and equipment that will be within the coffered area shall be maintained free of grease, oil, fuel, and residues.

Cofferdam overflow height shall be 6 inches above NWL.

Construction Requirements. Stationary equipment such as motors, pumps, etc. located within the work area or adjacent to a water body shall be positioned over drip pans or other confinement area. All equipment shall be stored outside of the floodplain when not in use to avoid inundation during a high water event.

Dewatering shall be as specified below and included in the cost of this item.

Bypass pumping shall be as specified in the below and included in the cost of this item.

Contractor shall restore ground to the satisfaction of the Engineer and included in the cost of this item.

Excavated material or spoils resulting from the activity shall be removed from the coffered area as soon as possible and shall not remain overnight.

Place the impermeable barrier on the bottom of the water feature. The barrier should extend out past the edge of the future cofferdam a sufficient length so that it can be pulled back over the rip rap after it has been installed. This will create a seamless barrier on the water side with the opening seam on the work area side. After the barrier is pulled over the rip rap, it will likely be necessary to hold the impermeable barrier in place with rip rap or sandbags.

Contractor shall size rip rap appropriately to ensure that the cofferdam is able to withstand design flows.

Because the potential for washout is high, the Contractor shall monitor the cofferdam daily and must not be left unattended for longer than 24 hours. Weather reports should be observed. If a storm event is expected, the site shall be stabilized in preparation as appropriate. All repairs shall be made immediately to prevent further damage to the installation.

Contractor shall regularly inspect cofferdams for leaks or other deficiencies. Sandbags used within the cofferdam, if applicable, must be removed by hand to prevent breakage. All disturbed soil within the coffered area shall be returned to original condition with all possible efforts made to retain the existing soil profile prior to the removal of the dams.

Shop Drawings. Prior to scheduling any work within the water, the Contractor shall receive Engineer's review on the following Contractor submitted items.

1. Construction sequencing schedule with anticipated dates of work.
2. Sketch showing location of cofferdam, cofferdam effective retaining height above Normal Water Level, location of dewatering pumps, and erosion\sediment control measures needed to construct the proposed improvements within and adjacent to the cofferdam.

DEWATERING

Description. Dewatering. This work shall consist of providing labor, tools, equipment, and materials necessary for dewatering (regardless of the water source) all work areas to relatively dry conditions as determined by the Engineer and maintain suitable working conditions and sediment control so that the improvements are constructed in the dry. The dewatering shall be 24 hours a day, seven days per week as needed to maintain relatively dry conditions for events up to the 2-Yr storm event.

By-Pass Pumping. This work shall also consist of providing labor, tools, equipment, and materials necessary for by-pass pumping (regardless of the water source) Indian Creek around the work areas so that the improvements are constructed in the dry. The by-pass pumping shall be 24 hours a day, seven days per week as needed to maintain relatively dry conditions within the work zone. **All disturbed areas shall be stabilized at the end of the working day (temporary stabilization measures shall not be paid for separately, but shall be considered included in the cost of this item).**

Products. Contractor shall be responsible for the choice of the product(s) and equipment as well as "means and methods" for the Site Dewatering Work to be performed subject to the review of the Engineer. All products and "means and methods" selected shall be adequate for the intended use/application. Engineer's review does not relieve the Contractor from compliance with the requirements of this special provision.

Submittals. Contractor shall submit to Engineer for review a description of dewatering techniques and equipment to be used, together with detail drawings showing lengths of discharge piping and point(s) of discharge including sediment and erosion control procedures using Best Management Practices. Engineer's review of dewatering techniques and equipment shall in no way be construed as creating any obligation on the Owner for same.

Best Management Practices are anticipated (but not limited to) to include:

- Sump Pit
- Pumps, Hoses, Etc.
- Point Source Discharge Protection (Rip Rap with Vegetative Buffer, Etc)
- Rock Checks

Ditch Checks

Geotextile Fabric

Dewatering Filter Bags

Removal and proper disposal of all BMP's and sediment associated with dewatering

Additional erosion and sediment control BMP's as per Engineer's direction

Noise abatement.

Responsibility. The Contractor shall be solely responsible for the choice of product(s) and equipment; for the design, installation, and operation; as well as "means and methods" of performing the Work; and subsequent removal of dewatering systems and their safety and conformity with local codes, regulations and these Specifications. All product(s), equipment and "means and methods" selected shall be adequate for the intended use/application. Review by Engineer does not relieve Contractor from compliance with the requirements specified herein.

General Requirements. The Contractor shall select the pumps he/she desires to use and the rate at which the pumps discharge, with adequate protection at the pump discharge shall be provided by the Contractor, subject to review by the Engineer. The Contractor shall ensure that downstream water quality shall not be impaired. Contractor shall position pumps/generators as far away from private residences as possible and outside the creek bank top. The Contractor shall provide noise abatement as directed by the Engineer. Electric pumps are highly encouraged.

At all times during the excavation period and until completion and acceptance of the Work at Final Inspection, ample means and equipment shall be provided with which to remove promptly and dispose of properly all water (including ground water, river water, storm sewer water, storm runoff, and water generated from Contractor's activities) entering any excavation or any other parts of the Work.

Water pumped or drained from the work required for this Contract shall be disposed of in a safe and suitable manner without damage to adjacent waterways, adjacent property or streets or to other work under construction. Water shall be discharged with adequate erosion and sediment control protection of the surface at the point of discharge. No water shall be discharged into sanitary sewers. No water shall be discharged into storm sewers. Any and all damages caused by dewatering the work shall be promptly repaired by the Contractor. The Contractor is responsible for providing any and all labor, materials and equipment needed for the DEWATERING in order to meet the scheduled completion of the project.

Cost of dewatering work zone after storm events is included in the cost of this item.

Contractor may propose other means/methods for controlling sediment and minimizing construction duration.

Method of Measurement and Basis of Payment. This work will be paid for at the contract unit price per LUMP SUM for SANDBAG COFFERDAMS, SEDIMENT FILTER BAG AND DEWATERING, which price shall include all equipment, material, and labor to complete the work as specified to clear and remove all vegetation.

SILT FENCE

Description. This work shall consist of furnishing and installing, and all necessary maintenance as determined by the Engineer, and removal of each SILT FENCE as shown on the plans. All excavation, dewatering, linear sediment basin, perforated riser pipes, floc logs, rock check dams, filter fabric, and any other items determined by the Engineer in the field shall be included in this item.

The Contractor shall submit a plan for the SILT FENCE and associated linear sediment basin for review and approval two (2) weeks prior to construction commencement.

Method of Measurement and Basis of Payment. This work will be measured and paid for at the contract unit price per FOOT for SILT FENCE, which price shall be payment in full for constructing this item as specified, including all materials, labor and equipment.

ITEMS ORDERED BY THE ENGINEER

Description. This item will be used at the discretion of the ENGINEER for items including, but not limited to, restoration, investigation and repair/replacement of items discovered on site, and/or other modifications as determined in the field by the Engineer.

General Requirements. Work shall be done under this item as directed by the Engineer.

Basis of Payment. This work will be paid for in units of one dollar (\$1.00) under ITEMS ORDERED BY THE ENGINEER. Before work begins, the ENGINEER and the CONTRACTOR shall agree to the amount to be paid for each item of work.

(D1) DRAINAGE AND INLET PROTECTION UNDER TRAFFIC

Effective: April 1, 2011
 Revised: April 2, 2011

Add the following to Article 603.02 of the Standard Specifications:

- “ (i) Temporary Hot-Mix Asphalt (HMA) Ramp (Note 1) 1030
 (j) Temporary Rubber Ramps (Note 2)

Note 1. The HMA shall have maximum aggregate size of 3/8 in. (95 mm).

Note 2. The rubber material shall be according to the following.

Property	Test Method	Requirement
Durometer Hardness, Shore A	ASTM D 2240	75 ±15
Tensile Strength, psi (kPa)	ASTM D 412	300 (2000) min
Elongation, percent	ASTM D 412	90 min
Specific Gravity	ASTM D 792	1.0 - 1.3
Brittleness, °F (°C)	ASTM D 746	-40 (-40)''

Revise Article 603.07 of the Standard Specifications to read:

“603.07 Protection Under Traffic. After the casting has been adjusted and the Class PP concrete has been placed, the work shall be protected by a barricade and two lights according to Article 701.17(e)(3)b.

When castings are under traffic before the final surfacing operation has been started, properly sized temporary ramps shall be placed around the drainage and/or utility castings according to the following methods.

- (a) Temporary Asphalt Ramps. Temporary hot-mix asphalt ramps shall be placed around the casting, flush with its surface and decreasing to a featheredge in a distance of 2 ft (600 mm) around the entire surface of the casting.
- (b) Temporary Rubber Ramps. Temporary rubber ramps shall only be used on roadways with permanent posted speeds of 40 mph or less and when the height of the casting to be protected meets the proper sizing requirements for the rubber ramps as shown below.

Dimension	Requirement
Inside Opening	Outside dimensions of casting + 1 in. (25 mm)
Thickness at inside edge	Height of casting ± 1/4 in. (6 mm)

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Thickness at outside edge	1/4 in. (6 mm) max.
Width, measured from inside opening to outside edge	8 1/2 in. (215 mm) min

Placement shall be according to the manufacturer's specifications.

Temporary ramps for castings shall remain in place until surfacing operations are undertaken within the immediate area of the structure. Prior to placing the surface course, the temporary ramp shall be removed. Excess material shall be disposed of according to Article 202.03."

(D1) FRICTION AGGREGATE

Effective: January 1, 2011
 Revised: December 1, 2021

Revise Article 1004.03(a) of the Standard Specifications to read:

“1004.03 Coarse Aggregate for Hot-Mix Asphalt (HMA). The aggregate shall be according to Article 1004.01 and the following.

(a) Description. The coarse aggregate for HMA shall be according to the following table.

Use	Mixture	Aggregates Allowed
Class A	Seal or Cover	<u>Allowed Alone or in Combination</u> ^{5/} : Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag Crushed Concrete

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Use	Mixture	Aggregates Allowed
HMA Low ESAL	Stabilized Subbase or Shoulders	<u>Allowed Alone or in Combination</u> ^{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	<u>Allowed Alone or in Combination</u> ^{5/6/} : 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 Binder IL-9.5 IL-9.5FG or IL-9.5L	<u>Allowed Alone or in Combination</u> ^{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 Binder IL-9.5 or IL-9.5FG	<u>Allowed Alone or in Combination</u> ^{5/} : Crushed Gravel Carbonate Crushed Stone (other than Limestone) ^{2/} Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag ^{4/}
		<u>Other Combinations Allowed:</u>

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Use	Mixture	Aggregates Allowed	
		Up to...	With...
		25% Limestone	Dolomite
		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> ^{5/6/} :	
		Crushed Gravel Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag 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 ^{2/}	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> ^{5/6/} :	
Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone.			

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Use	Mixture	Aggregates Allowed	
		<u>Other Combinations Allowed:</u>	
		<i>Up to...</i>	<i>With...</i>
		50% Crushed Gravel ^{2/} 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 (limestone) and/or crushed gravel shall not be used in SMA Ndesign 80.
- 3/ Crushed concrete will not be permitted in SMA mixes.
- 4/ Crushed steel slag shall not be used as binder.
- 5/ When combinations of aggregates are used, the blend percent measurements shall be by volume.”
- 6/ Combining different types of aggregate will not be permitted in SMA Ndesign 80.”

(D1) HOT-MIX ASPHALT BINDER AND SURFACE COURSE

Effective: November 1, 2019

Revised: December 1, 2021

Revise Article 1004.03(c) to read:

“(c) Gradation. The coarse aggregate gradations shall be as listed in the following table.

Use	Size/Application	Gradation No.
Class A-1, A-2, & A-3	3/8 in. (10 mm) Seal	CA 16 or CA 20
Class A-1	1/2 in. (13 mm) Seal	CA 15
Class A-2 & A-3	Cover Coat	CA 14
HMA High ESAL	IL-19.0; Stabilized Subbase IL-19.0	CA 11 ^{1/}
	SMA 12.5 ^{2/}	CA 13 ^{4/} , CA 14, or CA 16
	SMA 9.5 ^{2/}	CA 13 ^{3/4/} or CA 16 ^{3/}
	IL-9.5	CA 16, CM 13 ^{4/}
HMA Low ESAL	IL-9.5FG	CA 16
	IL-19.0L	CA 11 ^{1/}
	IL-9.5L	CA 16

1/ CA 16 or CA 13 may be blended with the CA 11.

2/ The coarse aggregates used shall be capable of being combined with the fine aggregates and mineral filler to meet the approved mix design and the mix requirements noted herein.

3/ The specified coarse aggregate gradations may be blended.

4/ CA 13 shall be 100 percent passing the 1/2 in. (12.5mm) sieve.”

Revise Article 1004.03(e) of the Supplemental Specifications to read:

“(e) Absorption. For SMA the coarse aggregate shall also have water absorption ≤ 2.0 percent.”

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Revise the “High ESAL” portion of the table in Article 1030.01 to read:

“High ESAL	Binder Courses	IL-19.0, IL-9.5, IL-9.5FG, IL-4.75, SMA 12.5, Stabilized Subbase IL-19.0
	Surface Courses	IL-9.5, IL-9.5FG, SMA 12.5, SMA 9.5”

Revise Note 2. and add Note 6 to Article 1030.02 of the Standard Specifications to read:

“Item	Article/Section
(g) Performance Graded Asphalt Binder (Note 6)	1032
(h) Fibers (Note 2)	

Note 2. 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. Reclaimed Asphalt Shingles (RAS) may be used in Stone Matrix Asphalt (SMA) mixtures designed with an SBA polymer modifier as a fiber additive if the mix design with RAS included meets AASHTO T305 requirements. The RAS shall be from a certified source that produces either Type I or Type 2. Material shall meet requirements noted herein and the actual dosage rate will be determined by the Engineer.

Note 6. 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, except where modified herein. The asphalt binder shall be a SBS PG 76-22 for IL-4.75, except where modified herein..”

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

"MIXTURE COMPOSITION (% PASSING) ^{1/}												
Sieve Size	IL-19.0 mm		SMA 12.5		SMA 9.5		IL-9.5mm		IL-9.5FG		IL-4.75 mm	
	min	max	min	max	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	80	100		100		100		100		100
3/8 in. (9.5 mm)				65	90	100	90	100	90	100		100
#4 (4.75 mm)	40	60	20	30	36	50	34	69	60	75 ^{6/}	90	100
#8 (2.36 mm)	20	42	16	24 ^{4/}	16	32 ^{4/}	34 ^{5/}	52 ^{2/}	45	60 ^{6/}	70	90
#16 (1.18 mm)	15	30					10	32	25	40	50	65
#30 (600 μm)			12	16	12	18			15	30		
#50 (300 μm)	6	15					4	15	8	15	15	30
#100 (150 μm)	4	9					3	10	6	10	10	18
#200 (75 μm)	3.0	6.0	7.0	9.0 ^{3/}	7.5	9.5 ^{3/}	4.0	6.0	4.0	6.5	7.0	9.0 ^{3/}
#635 (20 μm)			≤ 3.0		≤ 3.0							
Ratio Dust/Asphalt Binder		1.0		1.5		1.5		1.0		1.0		1.0

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/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted above the percentage stated on the table.

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- 5/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted below 34 percent.
- 6/ When the mixture is used as a binder, the maximum shall be increased by 0.5 percent passing.”

Revise Article 1030.05(b) of the Standard Specifications to read:

(b) Volumetric Requirements. The target value for the air voids of the HMA shall be 4.0 percent, for IL-4.75 and SMA mixtures it shall be 3.5 percent and for Stabilized Subbase it shall be 3.0 percent at the design number of gyrations. The voids in the mineral aggregate (VMA) and voids filled with asphalt binder (VFA) of the HMA design shall be based on the nominal maximum size of the aggregate in the mix and shall conform to the following requirements.

Mix Design	Voids in the Mineral Aggregate (VMA), % Minimum for Ndesign				
	30	50	70	80	90
IL-19.0		13.5	13.5		13.5
IL-9.5		15.0	15.0		
IL-9.5FG		15.0	15.0		
IL-4.75 ^{1/}		18.5			
SMA-12.5 ^{1/2/5/}				17.0 ^{3/} /16.0 ^{4/}	
SMA-9.5 ^{1/2/5/}				17.0 ^{3/} /16.0 ^{4/}	
IL-19.0L	13.5				
IL-9.5L	15.0				

- 1/ Maximum draindown shall be 0.3 percent according to Illinois Modified AASHTO T 305.
- 2/ The draindown shall be determined at the JMF asphalt binder content at the mixing temperature plus 30°F.
- 3/ Applies when specific gravity of coarse aggregate is ≥ 2.760.
- 4/ Applies when specific gravity of coarse aggregate is < 2.760.
- 5/ For surface course, the coarse aggregate can be crushed steel slag, crystalline crushed stone or crushed sandstone. For binder course, coarse aggregate shall be crushed stone (dolomite), crushed gravel, crystalline crushed stone, or crushed sandstone”

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Revise the last paragraph of Article 1102.01 (a) (5) of the Standard Specifications to read:

“IL-4.75 and Stone Matrix Asphalt (SMA) mixtures which contain aggregate having absorptions greater than or equal to 2.0 percent, or which contain steel slag sand, shall have minimum surge bin storage plus haul time of 1.5 hours.”

Add after third sentence of Article 1030.09(b) to read:

“ If the Contractor and Engineer agree the nuclear density test method is not appropriate for the mixture, cores shall be taken at random locations determined according to the QC/QA document "Determination of Random Density Test Site Locations". Core densities shall be determined using the Illinois Modified AASHTO T 166 or T 275 procedure.”

Revise Table 1 and Note 4/ of Table 1 in Article 406.07(a) of the Standard Specifications to read:

	Breakdown/Intermediate Roller (one of the following)	Final Roller (one or more of the following)	Density Requirement
IL-9.5, IL-9.5FG, IL-19.0 ^{1/}	V _D , P, T _B , 3W, O _T , O _B	V _S , T _B , T _F , O _T	As specified in Section 1030
IL-4.75 and SMA ^{3/} 4/	T _B , 3W, O _T	T _F , 3W	As specified in Section 1030
Mixtures on Bridge Decks ^{2/}	T _B	T _F	As specified in Articles 582.05 and 582.06.

“4/ The Contractor shall provide a minimum of two steel-wheeled tandem rollers (T_B), and/or three-wheel (3W) rollers for breakdown, except one of the (T_B) or (3W) rollers shall be 84 inches (2.14 m) wide and a weight of 315 pound per linear inch (PLI) (5.63 kg/mm) and one of the (T_B) or (3W) rollers can be substituted for an oscillatory roller (O_T). T_F rollers shall be a minimum of 280 lb/in. (50 N/mm). The 3W and T_B rollers shall be operated at a uniform speed not to exceed 3 mph (5 km/h), with the drive roll for T_B rollers nearest the paver and maintain an effective rolling distance of not more than 150 ft (45 m) behind the paver.”

Add the following after the fourth paragraph of Article 406.13 (b):

“The plan quantities of SMA mixtures shall be adjusted using the actual approved binder and surface Mix Design’s G_{mb}.”

Revise first paragraph of Article 1030.10 of the Standard Specifications to read:

“A test strip of 300 ton (275 metric tons), except for SMA mixtures it will be 400 ton (363 metric ton), will be required for each mixture on each contract at the beginning of HMA production for each construction year according to the Manual of Test Procedures for Materials “Hot Mix Asphalt Test Strip

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Procedures". At the request of the Producer, the Engineer may waive the test strip if previous construction during the current construction year has demonstrated the constructability of the mix using Department test results."

Revise third paragraph of Article 1030.10 of the Standard Specifications to read:

"When a test strip is constructed, the Contractor shall collect and split the mixture according to the document "Hot-Mix Asphalt Test Strip Procedures". The Engineer, or a representative, shall deliver split sample to the District Laboratory for verification testing. The Contractor shall complete mixture tests stated in Article 1030.09(a). Mixture sampled shall include enough material for the Department to conduct mixture tests detailed in Article 1030.09(a) and in the document "Hot-Mix Asphalt Mixture Design Verification Procedure" Section 3.3. The mixture test results shall meet the requirements of Articles 1030.05(b) and 1030.05(d), except Hamburg wheel tests will only be conducted on High ESAL mixtures during production."

(D1) HOT-MIX ASPHALT – MIXTURE DESIGN VERIFICATION AND PRODUCTION

Effective: January 1, 2019
 Revised: December 1, 2021

Add to Article 1030.05 (d)(3) of the Standard Specifications to read:

“ During mixture design, prepared samples shall be submitted to the District laboratory by the Contractor for verification testing. The required testing, and number and size of prepared samples submitted, shall be according to the following tables.

High ESAL – Required Samples for Verification Testing	
Mixture	Hamburg Wheel and I-FIT Testing ^{1/2/}
Binder	total of 3 - 160 mm tall bricks
Surface	total of 4 - 160 mm tall bricks

Low ESAL – Required Samples for Verification Testing	
Mixture	I-FIT Testing ^{1/2/}
Binder	1 - 160 mm tall brick
Surface	2 - 160 mm tall bricks

- 1/ The compacted gyratory bricks for Hamburg wheel and I-FIT testing shall be 7.5 ± 0.5 percent air voids.
- 2/ If the Contractor does not possess the equipment to prepare the 160 mm tall brick(s), twice as many 115 mm tall compacted gyratory bricks will be acceptable.

Revise the fourth paragraph of Article 1030.10 of the Standard Specifications to read:

“When a test strip is not required, each HMA mixture shall still be sampled on the first day of production: I-FIT and Hamburg wheel testing for High ESAL; I-FIT testing for Low ESAL. Within two working days after sampling the mixture, the Contractor shall deliver gyratory cylinders to the District laboratory for Department verification testing. The High ESAL mixture test results shall meet the requirements of Articles 1030.05(d)(3) and 1030.05(d)(4). The Low ESAL mixture test results shall meet the requirements of Article 1030.05(d)(4). The required number and size of prepared samples submitted for the Hamburg wheel and I-FIT testing shall be according to the “High ESAL - Required Samples for Verification Testing” table in Article 1030.05(d)(3) above.”

Add the following to the end of Article 1030.10 of the Standard Specifications to read:

Village of Hawthorn Woods
Indian Creek Road
Culvert Replacement/Streambank Stabilization
Lake County

“Mixture sampled during first day of production shall include approximately 60 lb (27 kg) of additional material for the Department to conduct Hamburg wheel testing and approximately 80 lb (36 kg) of additional material for the Department to conduct I-FIT testing. Within two working days after sampling, the Contractor shall deliver prepared samples to the District laboratory for verification testing. The required number and size of prepared samples submitted for the Hamburg wheel and I-FIT testing shall be according to the “High ESAL - Required Samples for Verification Testing” table in Article 1030.05(d)(3) above.”

(D1) MAINTENANCE OF ROADWAYS

Effective: September 30, 1985

Revised: November 1, 1996

Beginning on the date that 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.

(D1) PUBLIC CONVENIENCE AND SAFETY

Effective: May 1, 2012

Revised: July 15, 2012

Add the following to the end of the fourth paragraph of Article 107.09:

“If the holiday is on a Saturday or Sunday, and is legally observed on a Friday or Monday, the length of Holiday Period for Monday or Friday shall apply.”

Add the following sentence after the Holiday Period table in the fourth paragraph of Article 107.09:

“The Length of Holiday Period for Thanksgiving shall be from 5:00 AM the Wednesday prior to 11:59 PM the Sunday After”

Delete the fifth paragraph of Article 107.09 of the Standard Specifications:

“On weekends, excluding holidays, roadways with Average Daily Traffic of 25,000 or greater, all lanes shall be open to traffic from 3:00 P.M. Friday to midnight Sunday except where structure construction or major rehabilitation makes it impractical.”

(D1) TEMPORARY INFORMATION SIGNING

Effective: November 13, 1996

Revised: January 29, 2020

Description.

This work shall consist of furnishing, installing, maintaining, relocating for various states of construction and eventually removing temporary informational signs. Included in this item may be ground mount signs, skid mount signs, truss mount signs, bridge mount signs, and overlay sign panels which cover portions of existing signs.

Materials.

Materials shall be according to the following Articles of Section 1000 - Materials:

	<u>Item</u>	<u>Article/Section</u>
a.)	Sign Base (Note 1)	1090
b.)	Sign Face (Note 2)	1091
c.)	Sign Legends	1091
d.)	Sign Supports	1093
e.)	Overlay Panels (Note 3)	1090.02

Note 1. The Contractor may use 5/8 inch (16 mm) instead of 3/4 inch (19 mm) thick plywood.

Note 2. The sign face material shall be in accordance with the Department's Fabrication of Highway Signs Policy.

Note 3. The overlay panels shall be 0.08 inch (2 mm) thick.

GENERAL CONSTRUCTION REQUIREMENTS

Installation.

The sign sizes and legend sizes shall be verified by the Contractor prior to fabrication.

Signs which are placed along the roadway and/or within the construction zone shall be installed according to the requirements of Article 701.14 and Article 720.04. The signs shall be 7 ft (2.1 m) above the near edge of the pavement and shall be a minimum of 2 ft (600 mm) beyond the edge of the paved shoulder. A minimum of two (2) posts shall be used.

The attachment of temporary signs to existing bridges, sign structures or sign panels shall be approved by the Engineer. Any damage to the existing signs and/or structures due to the Contractor's operations shall be repaired or signs replaced, as determined by the Engineer, at the Contractor's expense.

Method of Measurement.

This work shall be measured for payment in square feet (square meters) edge to edge (horizontally and vertically).

All hardware, posts or skids, supports, bases for ground mounted signs, connections, which are required for mounting these signs will be included as part of this pay item.

Village of Hawthorn Woods
Indian Creek Road
Culvert Replacement/Streambank Stabilization
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Basis Of Payment.

This work shall be paid for at the contract unit price per square foot (square meter) for TEMPORARY INFORMATION SIGNING.

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:

- Village of Hawthorn Woods
- CBBEL
-
-
-
-
-
-

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

State of Illinois
DEPARTMENT OF TRANSPORTATION
Bureau of Local Roads & Streets
SPECIAL PROVISION
FOR
LOCAL QUALITY ASSURANCE/ QUALITY MANAGEMENT QC/QA
Effective: January 1, 2022

Replace the first five paragraphs of Article 1030.06 of the Standard Specifications with the following:

“1030.06 Quality Management Program. The Quality Management Program (QMP) will be Quality Control / Quality Assurance (QC/QA) according to the following.”

Delete Article 1030.06(d)(1) of the Standard Specifications.

Revise Article 1030.09(g)(3) of the Standard Specifications to read:

“(3) If core testing is the density verification method, the Contractor shall provide personnel and equipment to collect density verification cores for the Engineer. Core locations will be determined by the Engineer following the document “Hot-Mix Asphalt QC/QA Procedure for Determining Random Density Locations” at density verification intervals defined in Article 1030.09(b). After the Engineer identifies a density verification location and prior to opening to traffic, the Contractor shall cut a 4 in. (100 mm) diameter core. With the approval of the Engineer, the cores may be cut at a later time.”

Revise Article 1030.09(h)(2) of the Standard Specifications to read:

“(2) After final rolling and prior to paving subsequent lifts, the Engineer will identify the random density verification test locations. Cores or nuclear density gauge testing will be used for density verification. The method used for density verification will be as selected below.

Density Verification Method	
<input checked="" type="checkbox"/>	Cores
<input type="checkbox"/>	Nuclear Density Gauge (Correlated when paving \geq 3,000 tons per mixture)

Density verification test locations will be determined according to the document “Hot-Mix Asphalt QC/QA Procedure for Determining Random Density Locations”. The density testing interval for paving wider than or equal to 3 ft (1 m) will be 0.5 miles (800 m) for lift thicknesses of 3 in. (75 mm) or less and 0.2 miles (320 m) for lift thicknesses greater than 3 in. (75 mm). The density testing interval for paving less than 3 ft (1 m) wide will be 1 mile (1,600 m). If a day’s paving will be less than the prescribed density testing interval, the length of the day’s paving will be the interval for that day. The density testing interval for mixtures used for patching will be 50 patches with a minimum of one test per mixture per project.

If core testing is the density verification method, the Engineer will witness the Contractor coring, and secure and take possession of all density samples at the

density verification locations. The Engineer will test the cores collected by the Contractor for density according to Illinois Modified AASHTO T 166 or AASHTO T 275.

If nuclear density gauge testing is the density verification method, the Engineer will conduct nuclear density gauge tests. The Engineer will follow the density testing procedure detailed in the document "Illinois Modified ASTM D 2950, Standard Test Method for Density of Bituminous Concrete In-Place by Nuclear Method".

A density verification test will be the result of a single core or the average of the nuclear density tests at one location. The results of each density test must be within acceptable limits. The Engineer will promptly notify the Contractor of observed deficiencies."

Revise the seventh paragraph and all subsequent paragraphs in Section D. of the document "Hot-Mix Asphalt QC/QA Initial Daily Plant and Random Samples" to read:

"Mixtures shall be sampled from the truck at the plant by the Contractor following the same procedure used to collect QC mixture samples (Section A). This process will be witnessed by the Engineer who will take custody of the verification sample. Each sample bag with a verification mixture sample will be secured by the Engineer using a locking ID tag. Sample boxes containing the verification mixture sample will be sealed/taped by the Engineer using a security ID label."

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

GRADING AND SHAPING DITCHES (BDE)

Effective: January 1, 2023

Delete the second paragraph of Article 214.03 of the Standard Specifications.

Delete the second paragraph of Article 214.04 of the Standard Specifications.

80447

HOT-MIX ASPHALT (BDE)

Effective: January 1, 2024

Revise the second paragraph of Articles 1030.07(a)(11) and 1030.08(a)(9) of the Standard Specifications to read:

“When establishing the target density, the HMA maximum theoretical specific gravity (G_{mm}) will be based on the running average of four available Department test results for that project. If less than four G_{mm} test results are available, an average of all available Department test results for that project will be used. The initial G_{mm} will be the last available Department test result from a QMP project. If there is no available Department test result from a QMP project, the Department mix design verification test result will be used as the initial G_{mm} .”

In the Supplemental Specifications, replace the revision for the end of the third paragraph of Article 1030.09(h)(2) with the following:

“When establishing the target density, the HMA maximum theoretical specific gravity (G_{mm}) will be the Department mix design verification test result.”

Revise the tenth paragraph of Article 1030.10 of the Standard Specifications to read:

“Production is not required to stop after a test strip has been constructed.”

80456

PERFORMANCE GRADED ASPHALT BINDER (BDE)

Effective: January 1, 2023

Revise Article 1032.05 of the Standard Specifications to read:

“1032.05 Performance Graded Asphalt Binder. These materials will be accepted according to the Bureau of Materials Policy Memorandum, “Performance Graded Asphalt Binder Qualification Procedure.” The Department will maintain a qualified producer list. These materials shall be free from water and shall not foam when heated to any temperature below the actual flash point. Air blown asphalt, recycle engine oil bottoms (ReOB), and polyphosphoric acid (PPA) modification shall not be used.

When requested, producers shall provide the Engineer with viscosity/temperature relationships for the performance graded asphalt binders delivered and incorporated in the work.

- (a) Performance Graded (PG) Asphalt Binder. The asphalt binder shall meet the requirements of AASHTO M 320, Table 1 “Standard Specification for Performance Graded Asphalt Binder” for the grade shown on the plans and the following.

Test	Parameter
Small Strain Parameter (AASHTO PP 113) BBR, ΔT_c , 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	-5 °C min.

- (b) Modified Performance Graded (PG) Asphalt Binder. The asphalt binder shall meet the requirements of AASHTO M 320, Table 1 “Standard Specification for Performance Graded Asphalt Binder” for the grade shown on the plans.

Asphalt binder modification shall be performed at the source, as defined in the Bureau of Materials Policy Memorandum, “Performance Graded Asphalt Binder Qualification Procedure.”

Modified asphalt binder shall be safe to handle at asphalt binder production and storage temperatures or HMA construction temperatures. Safety Data Sheets (SDS) shall be provided for all asphalt modifiers.

- (1) Polymer Modification (SB/SBS or SBR). Elastomers shall be added to the base asphalt binder to achieve the specified performance grade and shall be either a styrene-butadiene diblock, triblock copolymer without oil extension, or a styrene-butadiene rubber. The polymer modified asphalt binder shall be smooth, homogeneous, and be according to the requirements shown in Table 1 or 2 for the grade shown on the plans.

Table 1 - Requirements for Styrene-Butadiene Copolymer (SB/SBS) Modified Asphalt Binders		
Test	Asphalt Grade SB/SBS PG 64-28 SB/SBS PG 70-22	Asphalt Grade SB/SBS PG 64-34 SB/SBS PG 70-28 SB/SBS PG 76-22 SB/SBS PG 76-28
Separation of Polymer ITP, "Separation of Polymer from Asphalt Binder" Difference in °F (°C) of the softening point between top and bottom portions	4 (2) max.	4 (2) max.
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	60 min.	70 min.

Table 2 - Requirements for Styrene-Butadiene Rubber (SBR) Modified Asphalt Binders		
Test	Asphalt Grade SBR PG 64-28 SBR PG 70-22	Asphalt Grade SB/SBS PG 64-34 SB/SBS PG 70-28 SBR PG 76-22 SBR PG 76-28
Separation of Polymer ITP, "Separation of Polymer from Asphalt Binder" Difference in °F (°C) of the softening point between top and bottom portions	4 (2) max.	4 (2) max.
Toughness ASTM D 5801, 77 °F (25 °C), 20 in./min. (500 mm/min.), in.-lbs (N-m)	110 (12.5) min.	110 (12.5) min.
Tenacity ASTM D 5801, 77 °F (25 °C), 20 in./min. (500 mm/min.), in.-lbs (N-m)	75 (8.5) min.	75 (8.5) min.
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	40 min.	50 min.

- (2) Ground Tire Rubber (GTR) Modification. GTR modification is the addition of recycled ground tire rubber to liquid asphalt binder to achieve the specified performance grade. GTR shall be produced from processing automobile and/or truck tires by the ambient

grinding method or micronizing through a cryogenic process. GTR shall not exceed 1/16 in. (2 mm) in any dimension and shall not contain free metal particles, moisture that would cause foaming of the asphalt, or other foreign materials. A mineral powder (such as talc) meeting the requirements of AASHTO M 17 may be added, up to a maximum of four percent by weight of GTR to reduce sticking and caking of the GTR particles. When tested in accordance with Illinois Modified AASHTO T 27 "Standard Method of Test for Sieve Analysis of Fine and Coarse Aggregates" or AASHTO PP 74 "Standard Practice for Determination of Size and Shape of Glass Beads Used in Traffic Markings by Means of Computerized Optical Method", a 50 g sample of the GTR shall conform to the following gradation requirements.

Sieve Size	Percent Passing
No. 16 (1.18 mm)	100
No. 30 (600 μm)	95 ± 5
No. 50 (300 μm)	> 20

GTR modified asphalt binder shall be tested for rotational viscosity according to AASHTO T 316 using spindle S27. GTR modified asphalt binder shall be tested for original dynamic shear and RTFO dynamic shear according to AASHTO T 315 using a gap of 2 mm.

The GTR modified asphalt binder shall meet the requirements of Table 3.

Table 3 - Requirements for Ground Tire Rubber (GTR) Modified Asphalt Binders		
Test	Asphalt Grade GTR PG 64-28 GTR PG 70-22	Asphalt Grade GTR PG 76-22 GTR PG 76-28 GTR PG 70-28
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	60 min.	70 min.

- (3) Softener Modification (SM). Softener modification is the addition of organic compounds, such as engineered flux, bio-oil blends, modified vegetable oils, glycol amines, and fatty acid derivatives, to the base asphalt binder to achieve the specified performance grade. Softeners shall be dissolved, dispersed, or reacted in the asphalt binder to enhance its performance and shall remain compatible with the asphalt binder with no separation. Softeners shall not be added to modified PG asphalt binder as defined in Articles 1032.05(b)(1) or 1032.05(b)(2).

An Attenuated Total Reflectance-Fourier Transform Infrared spectrum (ATR-FTIR) shall be collected for both the softening compound as well as the softener modified

asphalt binder at the dose intended for qualification. The ATR-FTIR spectra shall be collected on unaged softener modified binder, 20-hour Pressurized Aging Vessel (PAV) aged softener modified binder, and 40-hour PAV aged softener modified binder. The ATR-FTIR shall be collected in accordance with Illinois Test Procedure 601. The electronic files spectral files (in one of the following extensions or equivalent: *.SPA, *.SPG, *.IRD, *.IFG, *.CSV, *.SP, *.IRS, *.GAML, *. [0-9], *.IGM, *.ABS, *.DRT, *.SBM, *.RAS) shall be submitted to the Central Bureau of Materials.

Softener modified asphalt binders shall meet the requirements in Table 4.

Table 4 - Requirements for Softener Modified Asphalt Binders	
Test	Asphalt Grade
	SM PG 46-28 SM PG 46-34 SM PG 52-28 SM PG 52-34 SM PG 58-22 SM PG 58-28 SM PG 64-22
Small Strain Parameter (AASHTO PP 113) BBR, ΔT_c , 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	-5°C min.
Large Strain Parameter (Illinois Modified AASHTO T 391) DSR/LAS Fatigue Property, $\Delta G^* _{peak}$, 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	≥ 54 %

The following grades may be specified as tack coats.

Asphalt Grade	Use
PG 58-22, PG 58-28, PG 64-22	Tack Coat"

Revise Article 1031.06(c)(1) and 1031.06(c)(2) of the Standard Specifications to read:

“(1) RAP/RAS. When RAP is used alone or RAP is used in conjunction with RAS, the percentage of virgin ABR shall not exceed the amounts listed in the following table.

HMA Mixtures - RAP/RAS Maximum ABR % ^{1/ 2/}			
Ndesign	Binder	Surface	Polymer Modified Binder or Surface ^{3/}
30	30	30	10
50	25	15	10
70	15	10	10
90	10	10	10

1/ For Low ESAL HMA shoulder and stabilized subbase, 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 PG 64-22 to be reduced to a PG 58-28).
- 3/ The maximum ABR percentages for ground tire rubber (GTR) modified mixes shall be equivalent to the percentages specified for SBS/SBR polymer modified mixes.
- (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 following table.

HMA Mixtures - FRAP/RAS Maximum ABR % ^{1/2/}			
Ndesign	Binder	Surface	Polymer Modified Binder or Surface ^{3/}
30	55	45	15
50	45	40	15
70	45	35	15
90	45	35	15
SMA	--	--	25
IL-4.75	--	--	35

- 1/ For Low ESAL HMA shoulder and stabilized subbase, 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 PG 64-22 to be reduced to a PG 58-28).
- 3/ The maximum ABR percentages for GTR modified mixes shall be equivalent to the percentages specified for SBS/SBR polymer modified mixes.”

Add the following to the end of Note 2 of Article 1030.03 of the Standard Specifications.

“A dedicated storage tank for the ground tire rubber (GTR) modified asphalt binder shall be provided. This tank shall be capable of providing continuous mechanical mixing throughout and/or recirculation of the asphalt binder to provide a uniform mixture. The tank shall be heated and capable of maintaining the temperature of the asphalt binder at 300 °F to 350 °F (149 °C to 177 °C). The asphalt binder metering systems of dryer drum plants shall be calibrated with the actual GTR modified asphalt binder material with an accuracy of ±0.40 percent.”

PORTLAND CEMENT CONCRETE (BDE)

Effective: August 1, 2023

Revise the second paragraph of Article 1103.03(a)(4) the Standard Specifications to read:

“The dispenser system shall provide a visual indication that the liquid admixture is actually entering the batch, such as via a transparent or translucent section of tubing or by independent check with an integrated secondary metering device. If approved by the Engineer, an alternate indicator may be used for admixtures dosed at rates of 25 oz/cwt (1630 mL/100 kg) or greater, such as accelerating admixtures, corrosion inhibitors, and viscosity modifying admixtures.”

80451

SEEDING (BDE)

Effective: November 1, 2022

Revise Article 250.07 of the Standard Specifications to read:

“250.07 Seeding Mixtures. The classes of seeding mixtures and combinations of mixtures will be designated in the plans.

When an area is to be seeded with two or more seeding classes, those mixtures shall be applied separately on the designated area within a seven day period. Seeding shall occur prior to placement of mulch cover. A Class 7 mixture can be applied at any time prior to applying any seeding class or added to them and applied at the same time.

TABLE 1 - SEEDING MIXTURES		
Class - Type	Seeds	lb/acre (kg/hectare)
1 Lawn Mixture 1/	Kentucky Bluegrass	100 (110)
	Perennial Ryegrass	60 (70)
	<i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue)	40 (50)
1A Salt Tolerant Lawn Mixture 1/	Kentucky Bluegrass	60 (70)
	Perennial Ryegrass	20 (20)
	<i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue)	20 (20)
	<i>Festuca brevipila</i> (Hard Fescue)	20 (20)
	<i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass)	60 (70)
1B Low Maintenance Lawn Mixture 1/	Turf-Type Fine Fescue 3/	150 (170)
	Perennial Ryegrass	20 (20)
	Red Top	10 (10)
	<i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue)	20 (20)
2 Roadside Mixture 1/	<i>Lolium arundinaceum</i> (Tall Fescue)	100 (110)
	Perennial Ryegrass	50 (55)
	<i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue)	40 (50)
	Red Top	10 (10)
2A Salt Tolerant Roadside Mixture 1/	<i>Lolium arundinaceum</i> (Tall Fescue)	60 (70)
	Perennial Ryegrass	20 (20)
	<i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue)	30 (20)
	<i>Festuca brevipila</i> (Hard Fescue)	30 (20)
	<i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass)	60 (70)
3 Northern Illinois Slope Mixture 1/	<i>Elymus canadensis</i> (Canada Wild Rye) 5/	5 (5)
	Perennial Ryegrass	20 (20)
	Alsike Clover 4/	5 (5)
	<i>Desmanthus illinoensis</i> (Illinois Bundleflower) 4/ 5/	2 (2)
	<i>Schizachyrium scoparium</i> (Little Bluestem) 5/	12 (12)
	<i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/	10 (10)
	<i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass)	30 (35)
	Oats, Spring	50 (55)
	Slender Wheat Grass 5/	15 (15)
	Buffalo Grass 5/ 7/	5 (5)
	3A Southern Illinois Slope Mixture 1/	Perennial Ryegrass
<i>Elymus canadensis</i> (Canada Wild Rye) 5/		20 (20)
<i>Panicum virgatum</i> (Switchgrass) 5/		10 (10)
<i>Schizachyrium scoparium</i> (Little Blue Stem) 5/		12 (12)
<i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/		10 (10)
<i>Dalea candida</i> (White Prairie Clover) 4/ 5/		5 (5)
<i>Rudbeckia hirta</i> (Black-Eyed Susan) 5/		5 (5)
Oats, Spring		50 (55)

Class – Type	Seeds	lb/acre (kg/hectare)
4 Native Grass 2/ 6/	<i>Andropogon gerardi</i> (Big Blue Stem) 5/	4 (4)
	<i>Schizachyrium scoparium</i> (Little Blue Stem) 5/	5 (5)
	<i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/	5 (5)
	<i>Elymus canadensis</i> (Canada Wild Rye) 5/	1 (1)
	<i>Panicum virgatum</i> (Switch Grass) 5/	1 (1)
	<i>Sorghastrum nutans</i> (Indian Grass) 5/	2 (2)
	Annual Ryegrass	25 (25)
	Oats, Spring	25 (25)
	Perennial Ryegrass	15 (15)
	4A Low Profile Native Grass 2/ 6/	<i>Schizachyrium scoparium</i> (Little Blue Stem) 5/
<i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/		5 (5)
<i>Elymus canadensis</i> (Canada Wild Rye) 5/		1 (1)
<i>Sporobolus heterolepis</i> (Prairie Dropseed) 5/		0.5 (0.5)
Annual Ryegrass		25 (25)
Oats, Spring		25 (25)
Perennial Ryegrass		15 (15)
4B Wetland Grass and Sedge Mixture 2/ 6/		Annual Ryegrass
	Oats, Spring	25 (25)
	Wetland Grasses (species below) 5/	6 (6)
<u>Species:</u>		<u>% By Weight</u>
<i>Calamagrostis canadensis</i> (Blue Joint Grass)		12
<i>Carex lacustris</i> (Lake-Bank Sedge)		6
<i>Carex slipata</i> (Awl-Fruited Sedge)		6
<i>Carex stricta</i> (Tussock Sedge)		6
<i>Carex vulpinoidea</i> (Fox Sedge)		6
<i>Eleocharis acicularis</i> (Needle Spike Rush)		3
<i>Eleocharis obtusa</i> (Blunt Spike Rush)		3
<i>Glyceria striata</i> (Fowl Manna Grass)		14
<i>Juncus effusus</i> (Common Rush)		6
<i>Juncus tenuis</i> (Slender Rush)		6
<i>Juncus torreyi</i> (Torrey's Rush)		6
<i>Leersia oryzoides</i> (Rice Cut Grass)		10
<i>Scirpus acutus</i> (Hard-Stemmed Bulrush)		3
<i>Scirpus atrovirens</i> (Dark Green Rush)		3
<i>Bolboschoenus fluviatilis</i> (River Bulrush)		3
<i>Schoenoplectus tabernaemontani</i> (Softstem Bulrush)		3
<i>Spartina pectinata</i> (Cord Grass)		4

Class – Type	Seeds	lb/acre (kg/hectare)
5	Forb with Annuals Mixture 2/ 5/ 6/	Annuals Mixture (Below) Forb Mixture (Below)
		1 (1) 10 (10)
	Annuals Mixture - Mixture not exceeding 25 % by weight of any one species, of the following:	
	<i>Coreopsis lanceolata</i> (Sand Coreopsis) <i>Leucanthemum maximum</i> (Shasta Daisy) <i>Gaillardia pulchella</i> (Blanket Flower) <i>Ratibida columnifera</i> (Prairie Coneflower) <i>Rudbeckia hirta</i> (Black-Eyed Susan)	
	Forb Mixture - Mixture not exceeding 5 % by weight PLS of any one species, of the following:	
	<i>Amorpha canescens</i> (Lead Plant) 4/ <i>Anemone cylindrica</i> (Thimble Weed) <i>Asclepias tuberosa</i> (Butterfly Weed) <i>Aster azureus</i> (Sky Blue Aster) <i>Symphotrichum leave</i> (Smooth Aster) <i>Aster novae-angliae</i> (New England Aster) <i>Baptisia leucantha</i> (White Wild Indigo) 4/ <i>Coreopsis palmata</i> (Prairie Coreopsis) <i>Echinacea pallida</i> (Pale Purple Coneflower) <i>Eryngium yuccifolium</i> (Rattlesnake Master) <i>Helianthus mollis</i> (Downy Sunflower) <i>Heliopsis helianthoides</i> (Ox-Eye) <i>Liatris aspera</i> (Rough Blazing Star) <i>Liatris pycnostachya</i> (Prairie Blazing Star) <i>Monarda fistulosa</i> (Prairie Bergamot) <i>Parthenium integrifolium</i> (Wild Quinine) <i>Dalea candida</i> (White Prairie Clover) 4/ <i>Dalea purpurea</i> (Purple Prairie Clover) 4/ <i>Physostegia virginiana</i> (False Dragonhead) <i>Potentilla arguta</i> (Prairie Cinquefoil) <i>Ratibida pinnata</i> (Yellow Coneflower) <i>Rudbeckia subtomentosa</i> (Fragrant Coneflower) <i>Silphium laciniatum</i> (Compass Plant) <i>Silphium terebinthinaceum</i> (Prairie Dock) <i>Oligoneuron rigidum</i> (Rigid Goldenrod) <i>Tradescantia ohioensis</i> (Spiderwort) <i>Veronicastrum virginicum</i> (Culver's Root)	

Class – Type	Seeds	lb/acre (kg/hectare)
5A Large Flower Native Forb Mixture 2/ 5/ 6/	Forb Mixture (see below)	5 (5)
	<u>Species:</u>	<u>% By Weight</u>
	<i>Aster novae-angliae</i> (New England Aster)	5
	<i>Echinacea pallida</i> (Pale Purple Coneflower)	10
	<i>Helianthus mollis</i> (Downy Sunflower)	10
	<i>Heliopsis helianthoides</i> (Ox-Eye)	10
	<i>Liatris pycnostachya</i> (Prairie Blazing Star)	10
	<i>Ratibida pinnata</i> (Yellow Coneflower)	5
	<i>Rudbeckia hirta</i> (Black-Eyed Susan)	10
	<i>Silphium laciniatum</i> (Compass Plant)	10
	<i>Silphium terebinthinaceum</i> (Prairie Dock)	20
	<i>Oligoneuron rigidum</i> (Rigid Goldenrod)	10
5B Wetland Forb 2/ 5/ 6/	Forb Mixture (see below)	2 (2)
	<u>Species:</u>	<u>% By Weight</u>
	<i>Acorus calamus</i> (Sweet Flag)	3
	<i>Angelica atropurpurea</i> (Angelica)	6
	<i>Asclepias incarnata</i> (Swamp Milkweed)	2
	<i>Aster puniceus</i> (Purple Stemmed Aster)	10
	<i>Bidens cernua</i> (Beggarticks)	7
	<i>Eutrochium maculatum</i> (Spotted Joe Pye Weed)	7
	<i>Eupatorium perfoliatum</i> (Boneset)	7
	<i>Helenium autumnale</i> (Autumn Sneeze Weed)	2
	<i>Iris virginica shrevei</i> (Blue Flag Iris)	2
	<i>Lobelia cardinalis</i> (Cardinal Flower)	5
	<i>Lobelia siphilitica</i> (Great Blue Lobelia)	5
	<i>Lythrum alatum</i> (Winged Loosestrife)	2
	<i>Physostegia virginiana</i> (False Dragonhead)	5
	<i>Persicaria pennsylvanica</i> (Pennsylvania Smartweed)	10
	<i>Persicaria lapathifolia</i> (Curlytop Knotweed)	10
	<i>Pycnanthemum virginianum</i> (Mountain Mint)	5
	<i>Rudbeckia laciniata</i> (Cut-leaf Coneflower)	5
	<i>Oligoneuron riddellii</i> (Riddell Goldenrod)	2
	<i>Sparganium eurycarpum</i> (Giant Burreed)	5
6 Conservation Mixture 2/ 6/	<i>Schizachyrium scoparium</i> (Little Blue Stem) 5/ <i>Elymus canadensis</i> (Canada Wild Rye) 5/ Buffalo Grass 5/ 7/ Vernal Alfalfa 4/ Oats, Spring	5 (5) 2 (2) 5 (5) 15 (15) 48 (55)
6A Salt Tolerant Conservation Mixture 2/ 6/	<i>Schizachyrium scoparium</i> (Little Blue Stem) 5/ <i>Elymus canadensis</i> (Canada Wild Rye) 5/ Buffalo Grass 5/ 7/ Vernal Alfalfa 4/ Oats, Spring <i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass)	5 (5) 2 (2) 5 (5) 15 (15) 48 (55) 20 (20)
7 Temporary Turf Cover Mixture	Perennial Ryegrass Oats, Spring	50 (55) 64 (70)

Notes:

- 1/ Seeding shall be performed when the ambient temperature has been between 45 °F (7 °C) and 80 °F (27 °C) for a minimum of seven (7) consecutive days and is forecasted to be the same for the next five (5) days according to the National Weather Service.
- 2/ Seeding shall be performed in late fall through spring beginning when the ambient temperature has been below 45 °F (7 °C) for a minimum of seven (7) consecutive days and ending when the ambient temperature exceeds 80 °F (27 °C) according to the National Weather Service.
- 3/ Specific variety as shown in the plans or approved by the Engineer.
- 4/ Inoculation required.
- 5/ Pure Live Seed (PLS) shall be used.
- 6/ Fertilizer shall not be used.
- 7/ Seed shall be primed with KNO_3 to break dormancy and dyed to indicate such.

Seeding will be inspected after a period of establishment. The period of establishment shall be six (6) months minimum, but not to exceed nine (9) months. After the period of establishment, areas not exhibiting 75 percent uniform growth shall be interseeded or reseeded, as determined by the Engineer, at no additional cost to the Department."

80445

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)

Effective: November 2, 2017

Revised: April 1, 2019

Replace the second paragraph of Article 109.12 of the Standard Specifications with the following:

“This mobilization payment shall be made at least seven days prior to the subcontractor starting work. The amount paid shall be at the following percentage of the amount of the subcontract reported on form BC 260A submitted for the approval of the subcontractor’s work.

Value of Subcontract Reported on Form BC 260A	Mobilization Percentage
Less than \$10,000	25%
\$10,000 to less than \$20,000	20%
\$20,000 to less than \$40,000	18%
\$40,000 to less than \$60,000	16%
\$60,000 to less than \$80,000	14%
\$80,000 to less than \$100,000	12%
\$100,000 to less than \$250,000	10%
\$250,000 to less than \$500,000	9%
\$500,000 to \$750,000	8%
Over \$750,000	7%”

80391

SUBMISSION OF PAYROLL RECORDS (BDE)

Effective: April 1, 2021

Revised: November 2, 2023

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, social security number, last known address, telephone number, email address, classification(s) of work actually performed, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof), daily and weekly number of hours actually worked in total, deductions made, and actual wages paid.

The Contractor and each subcontractor shall submit certified payroll records to the Department each week from the start to the completion of their respective work, except that full social security numbers, last known addresses, telephone numbers, and email addresses shall not be included on weekly submittals. Instead, the payrolls need only include an identification number for each employee (e.g., the last four digits of the employee's social security number). The submittals shall be made using LCPtracker Pro software. The software is web-based and can be accessed at <https://lcptracker.com/>. When there has been no activity during a work week, a payroll record shall still be submitted with the appropriate option (“No Work”, “Suspended”, or “Complete”) selected.”

STATE CONTRACTS. Revise Item 3 of Section IV of Check Sheet #5 of the Recurring Special Provisions to read:

- “3. Submission of Payroll Records. The Contractor and each subcontractor shall, no later than the 15th day of each calendar month, file a certified payroll for the immediately preceding month to the Illinois Department of Labor (IDOL) through the Illinois Prevailing Wage Portal in compliance with the State Prevailing Wage Act (820 ILCS 130). The portal can be found on the IDOL website at <https://www2.illinois.gov/idol/Laws-Rules/CONMED/Pages/Prevailing-Wage-Portal.aspx>. Payrolls shall be submitted in the format prescribed by the IDOL.

In addition to filing certified payroll(s) with the IDOL, the Contractor and each subcontractor shall certify and submit payroll records to the Department each week from the start to the completion of their respective work, except that full social security numbers shall not be included on weekly submittals. 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. The submittals shall be made using LCPtracker Pro software. The software is web-based and can be accessed at <https://lcptracker.com/>.

When there has been no activity during a work week, a payroll record shall still be submitted with the appropriate option ("No Work", "Suspended", or "Complete") selected."

80437

VEHICLE AND EQUIPMENT WARNING LIGHTS (BDE)

Effective: November 1, 2021

Revised: November 1, 2022

Add the following paragraph after the first paragraph of Article 701.08 of the Standard Specifications:

“The Contractor shall equip all vehicles and equipment with high-intensity oscillating, rotating, or flashing, amber or amber-and-white, warning lights which are visible from all directions. In accordance with 625 ILCS 5/12-215, the lights may only be in operation while the vehicle or equipment is engaged in construction operations.”

80439

WORK ZONE TRAFFIC CONTROL DEVICES (BDE)

Effective: March 2, 2020

Add the following to Article 701.03 of the Standard Specifications:

“(q) Temporary Sign Supports 1106.02”

Revise the third paragraph of Article 701.14 of the Standard Specifications to read:

“For temporary sign supports, the Contractor shall provide a FHWA eligibility letter for each device used on the contract. The letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device. The signs shall be supported within 20 degrees of vertical. Weights used to stabilize signs shall be attached to the sign support per the manufacturer’s specifications.”

Revise the first paragraph of Article 701.15 of the Standard Specifications to read:

“**701.15 Traffic Control Devices.** For devices that must meet crashworthiness standards, the Contractor shall provide a manufacturer’s self-certification or a FHWA eligibility letter for each Category 1 device and a FHWA eligibility letter for each Category 2 and Category 3 device used on the contract. The self-certification or letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device.”

Revise the first six paragraphs of Article 1106.02 of the Standard Specifications to read:

“**1106.02 Devices.** Work zone traffic control devices and combinations of devices shall meet crashworthiness standards for their respective categories. The categories are as follows.

Category 1 includes small, lightweight, channelizing and delineating devices that have been in common use for many years and are known to be crashworthy by crash testing of similar devices or years of demonstrable safe performance. These include cones, tubular markers, plastic drums, and delineators, with no attachments (e.g. lights). Category 1 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 1 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2024.

Category 2 includes devices that are not expected to produce significant vehicular velocity change but may otherwise be hazardous. These include vertical panels with lights, barricades, temporary sign supports, and Category 1 devices with attachments (e.g. drums with lights). Category 2 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 2 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2024.

Category 3 includes devices that are expected to cause significant velocity changes or other potentially harmful reactions to impacting vehicles. These include crash cushions (impact

attenuators), truck mounted attenuators, and other devices not meeting the definitions of Category 1 or 2. Category 3 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 3 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2029. Category 3 devices shall be crash tested for Test Level 3 or the test level specified.

Category 4 includes portable or trailer-mounted devices such as arrow boards, changeable message signs, temporary traffic signals, and area lighting supports. It is preferable for Category 4 devices manufactured after December 31, 2019 to be MASH-16 compliant; however, there are currently no crash tested devices in this category, so it remains exempt from the NCHRP 350 or MASH compliance requirement.

For each type of device, when no more than one MASH-16 compliant is available, an NCHRP 350 or MASH-2009 compliant device may be used, even if manufactured after December 31, 2019.”

Revise Articles 1106.02(g), 1106.02(k), and 1106.02(l) to read:

“(g) Truck Mounted/Trailer Mounted Attenuators. The attenuator shall be approved for use at Test Level 3. Test Level 2 may be used for normal posted speeds less than or equal to 45 mph.

(k) Temporary Water Filled Barrier. The water filled barrier shall be a lightweight plastic shell designed to accept water ballast and be on the Department’s qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings.

(l) Movable Traffic Barrier. The movable traffic barrier shall be on the Department’s qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings. The barrier shall be capable of being moved on and off the roadway on a daily basis.”

March 14, 2024

L-96,694

REPORT OF SOILS EXPLORATION
CULVERT REPLACEMENT
INDIAN CREEK ROAD
HAWTHORN WOODS, IL

PREPARED FOR:
CHRISTOPHER B. BURKE ENGINEERING, LTD
9575 W HIGGINS RD. SUITE 600
ROSEMONT, ILLINOIS

PREPARED BY:
TESTING SERVICE CORPORATION
457 EAST GUNDERSEN DRIVE
CAROL STREAM, ILLINOIS 60188
(630) 653-3920

March 14, 2024

L-96,694

REPORT OF SOILS EXPLORATION
CULVERT REPLACEMENT
INDIAN CREEK ROAD
HAWTHORN WOODS, IL

1.0 INTRODUCTION

This report presents the results of a soils exploration performed for a culvert replacement in Hawthorn Woods, Illinois. These geotechnical engineering services are being provided in accordance with TSC Proposal No. 71,864 dated October 4, 2023.

Current plans call for the replacement of an existing culvert extending below Indian Creek Road, lying about 1 mile east of N. Gilmer Road in Ela Township, Hawthorn Woods, Illinois. The existing culvert consists of a 10 foot wide corrugated metal pipe carrying Indian Creek below Indian Creek Road. The culvert is in a low-lying area with a pond on the north side of the narrow 2-lane roadway. Pavement distress including numerous potholes and slumping of the concrete ribbon shoulder and minor soil erosion above the culvert was noted. The design and construction of a new culvert is assumed to be similar in size and dimension.

2.0 FIELD INVESTIGATION AND LABORATORY TESTING

Two (2) soil borings were performed as part of this soils exploration including one on either side of the existing culvert. Access was limited by trees and guardrails and therefore the borings were drilled in the traffic lanes. A Boring Location Plan is enclosed showing the drilling layout, being plotted on an aerial photograph of the surrounding area. The ground surface and top of culvert elevations were acquired by TSC using a Trimble R8s GNSS Receiver which uses the North American Vertical Datum 1988 (NAVD88), being rounded to the nearest 0.5 feet. The top of the culvert elevation was measured to be 747.0' or

approximately 4.0 feet below top of pavement where the borings were taken. The creek level in the culvert was measured to be 5.0 feet below the top of the culvert (approximate elevation 742.0) at the time the elevations were taken

Each of the borings extended to 30 feet below existing grade. They were drilled and samples tested according to currently recommended American Society for Testing and Materials specifications. Soil sampling was performed at 2½-foot intervals to a depth of 15 feet and at no greater than 5-foot intervals thereafter. The samples were taken in conjunction with the Standard Penetration Test (SPT), for which driving resistance to a 2" split-spoon sampler (N-value in blows per foot) provides an indication of the relative density of granular materials and consistency of cohesive soils. Water level readings were taken during and following completion of drilling operations, with the borehole then immediately backfilled and patched at the surface for safety reasons.

Soil samples were examined in the laboratory to verify field descriptions and to classify them in accordance with the Unified Soil Classification System. Laboratory testing included water content determinations for all cohesive and intermediate (silt or loamy) soil types. An estimate of unconfined compressive strength was obtained for all cohesive materials using a calibrated pocket penetrometer (Qp), with actual measurements of unconfined compressive strength (Qu) performed on representative samples. Dry unit weight tests were also run on specimens of cohesive fill.

Reference is made to the boring log in the Appendix of this report which indicates subsurface stratigraphy and soil descriptions, results of field and laboratory tests, as well as water level observations. Definitions of descriptive terminology are also included. While strata changes are shown as a definite line on the log, the actual transition between soil layers is likely to be more gradual. Fluctuations in the groundwater level may also occur due to variations in precipitation (short-term and seasonal) as well as rises or drops in Indian Creek or other nearby surface water features, i.e. water levels at a future date may be higher or lower than those recorded at the time of drilling.

3.0 DISCUSSION OF TEST DATA

Boring 1 was performed in the eastbound traffic lane and B-2 was drilled in the westbound traffic lane of Indian Creek Road about 7 feet away from the existing culvert. They revealed about 8 inches of hot mix

asphalt (bituminous concrete) overlying 6 inches of sand and gravel base course materials. The pavement thicknesses were estimated from the disturbed sides of the augered boreholes and should be considered very approximate. A pavement core was also taken near the culvert location for the separate but related Indian Creek Roadway project and it revealed a thickness of 9 inches.

Silty clay fill materials were found below the pavement section, extending about 8 feet below existing grade. Samples of the cohesive fill had dry unit weights ranging from 101 to 108 pounds per cubic foot (pcf) at water contents between 19 and 24 percent. They also exhibited relatively low pocket penetrometer readings (for fill) of 1.0 to 2.25 tons per square foot (tsf).

Native soils below the fill material consisted mainly of silty clay in a medium stiff to very stiff condition and predominated to the completion depth of 30 feet. These native clay soils exhibited unconfined compressive strengths varying from 1.0 to 3.0 tsf at water contents of 16 to 25 percent. The exception was a thin deposit of clayey sand found between 8 and 10.5 feet deep in location B-1. These intermediate materials exhibited an SPT N-value of 19 blows per foot (bpf).

Free water was initially encountered at a depth of 13 feet below existing grade in B-1. Upon completion of drilling operations, the water level in the borehole was measured at a depth of 17 feet below grade. Boring 2 was noted as "dry" both during and upon completion of drilling operations, i.e. no free water was encountered in it.

4.0 ANALYSIS AND RECOMMENDATIONS

4.1 Culvert Installation

Current plans call for the replacement of the existing culvert carrying Indian Creek below Indian Creek Road. The existing culvert consists of a 10' wide corrugated metal pipe. Since only the top of the culvert was exposed it could not be determined whether the pipe is round or has a flat bottom. The new culvert is assumed to be similar in size and dimension.

Borings 1 and 2 were drilled for the replacement structure which will likely have an invert at approximate Elevation 740.0 (flat bottom pipe) or 737.0 (10' diameter pipe) or about 11 to 14 feet below the top of

pavement. It is assumed that the bottom of the culvert will be about 6 inches below the invert allowing for a granular leveling pad. Stiff to very stiff silty clay soils were found at the approximate bearing level of the new culvert and are considered suitable for culvert support. They exhibited unconfined compressive strength values of 1.5 to 2.5 tsf at water contents on the order of 20 percent.

If the bottom of the culvert excavation becomes unstable, approximately 12 inches of additional granular bedding may be placed to provide a more satisfactory base. Replacement materials should consist of crushed stone, crushed gravel or recycled concrete between ¼ to 3 inches in size and containing no fines; IDOT gradations CA-1 and CA-7 meet these criteria. This "structural" fill should be spread in maximum 12-inch layers loose thickness, each lift to be densified using vibratory compaction equipment or by tamping with a backhoe bucket. It is recommended that the excavation be kept drained during backfilling operations. It should be noted that soft clay soils, if found, may slough during construction, causing a larger than normal excavation.

Groundwater was initially revealed at a depth of 13 feet below existing grade in B-1 and dropped to 17 feet of the surface upon completion of drilling. It should be noted that changes in the groundwater level may occur due to seasonal variations in rainfall, fluctuations in creek level and other localized conditions. The Contractor should be prepared to implement dewatering procedures on an as needed basis, as a minimum to include pumping from strategically placed sumps.

The biggest concern would be if excavations outside the limits of the boreholes were to penetrate wet granular materials. Granular soil types encountered under hydrostatic pressure at the time of construction can lead to a running condition, where the materials in the bottom and the side walls will rapidly slough and "flow" into the excavation. If allowed to occur, running soil conditions may lead to instability of the excavation side slopes, loss of ground and settlement in surrounding areas.

Open cut and/or benching is anticipated in connection with the excavation for the new culvert. In connection with laborers working in the excavation, the Contractor must either brace the sides of the excavations or slope them back in accordance with current OSHA requirements to prevent excavation instability. Protective measures should include the use of safety trench boxes, sheeting and bracing, or other appropriate methods. In this regard, all excavations should comply with the requirements of OSHA 29CFR, Part 1926, Subpart P, "Excavations" and its appendices as well as any other applicable codes.

This document states that excavation safety is the responsibility of the Contractor. It should be noted that it is not the Engineer's responsibility to enforce these requirements. Reference to this OSHA requirement should be included in the job specifications.

5.0 Closure

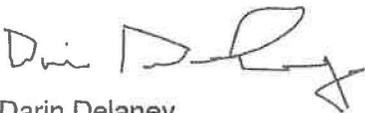
It is recommended that technician services be provided by Testing Service Corporation personnel during foundation construction, so that the bearing capacity of the soils at foundation levels can be verified. In addition, adequacy of building materials, stripping and undercutting, fill placement and compaction should be observed and tested for compliance with the recommended procedures and specifications.

The analysis and recommendations submitted in this report are based upon the data obtained from the two (2) soil boring performed at the location indicated on the Boring Location Plan. This report does not reflect any variations which may occur between these borings or elsewhere on the site, the nature and extent of which may not become evident until during the course of construction. If variations are then identified, recommendations contained in this report should be re-evaluated after performing on-site observations.

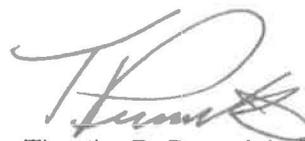
Please call if there are any questions in regard to this matter or if we may be of further service.

Respectfully submitted,

TESTING SERVICE CORPORATION



Darin Delaney
Project Geologist



Timothy R. Peceniak, P.E.
Geotechnical Engineer
Registered Professional Engineer
Illinois No. 062-061269

PROJECT **Indian Creek Road Culvert Replacement, Gilmer to City Limits, Hawthorn Woods, IL**

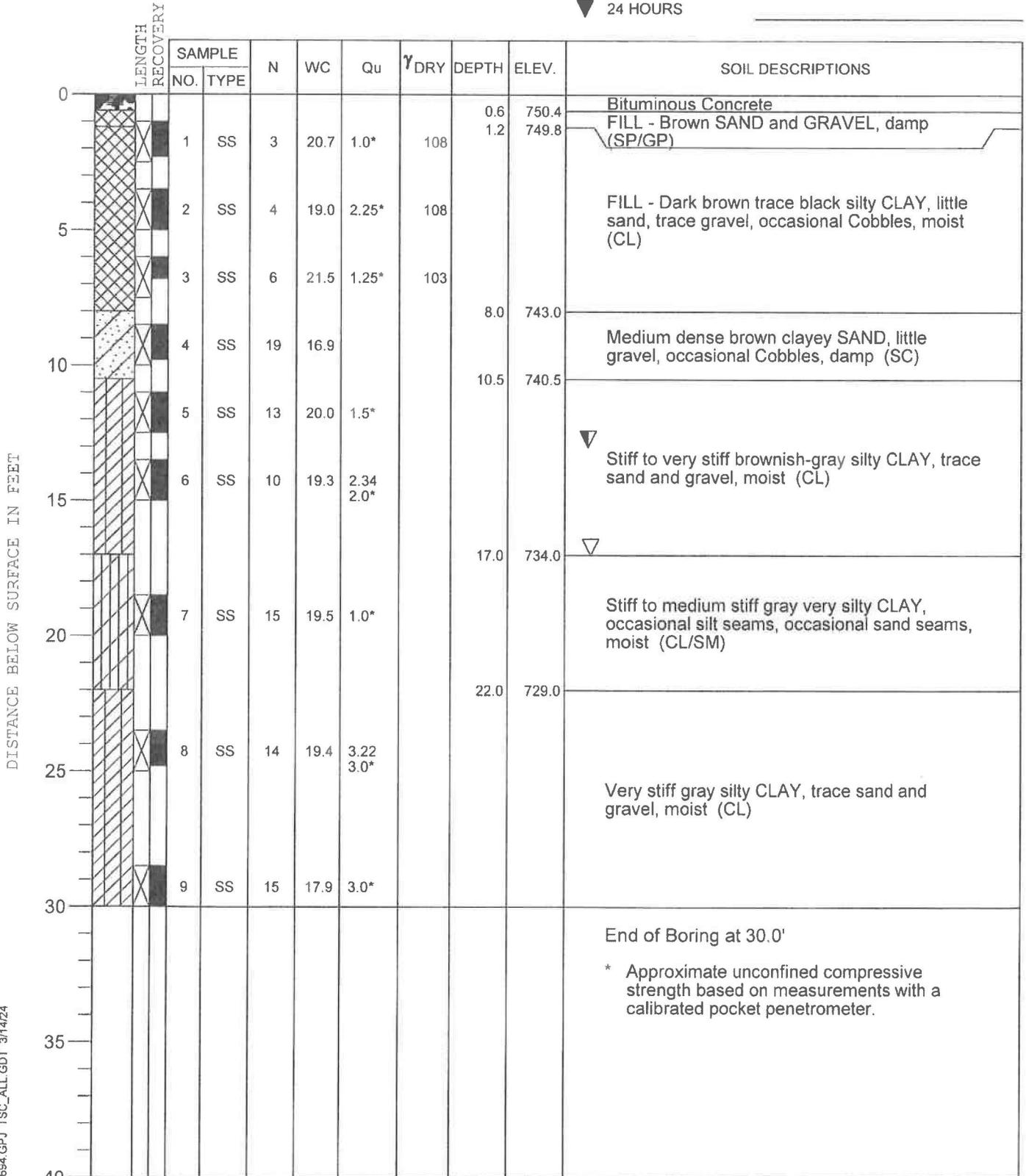


CLIENT **Christopher B. Burke Engineering, Ltd., 9575 W. Higgins Rd., Rosemont, IL**

BORING **1** DATE STARTED **3-8-24** DATE COMPLETED **3-8-24** JOB **L-96,694**

ELEVATIONS
 GROUND SURFACE **751.0**
 END OF BORING **721.0**

WATER LEVEL OBSERVATIONS
 ▽ WHILE DRILLING **13.0'**
 ▽ AT END OF BORING **17.0'**
 ▽ 24 HOURS



TSC 96694.GPJ TSC_ALL.GDT 3/14/24

DRILL RIG NO. **358**

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

* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.

PROJECT **Indian Creek Road Culvert Replacement, Gilmer to City Limits, Hawthorn Woods, IL**



CLIENT **Christopher B. Burke Engineering, Ltd., 9575 W. Higgins Rd., Rosemont, IL**

BORING **2** DATE STARTED **3-8-24** DATE COMPLETED **3-8-24** JOB **L-96,694**

ELEVATIONS
 GROUND SURFACE **751.0**
 END OF BORING **721.0**

WATER LEVEL OBSERVATIONS
 ▽ WHILE DRILLING **Dry**
 ▽ AT END OF BORING **Dry**
 ▽ 24 HOURS

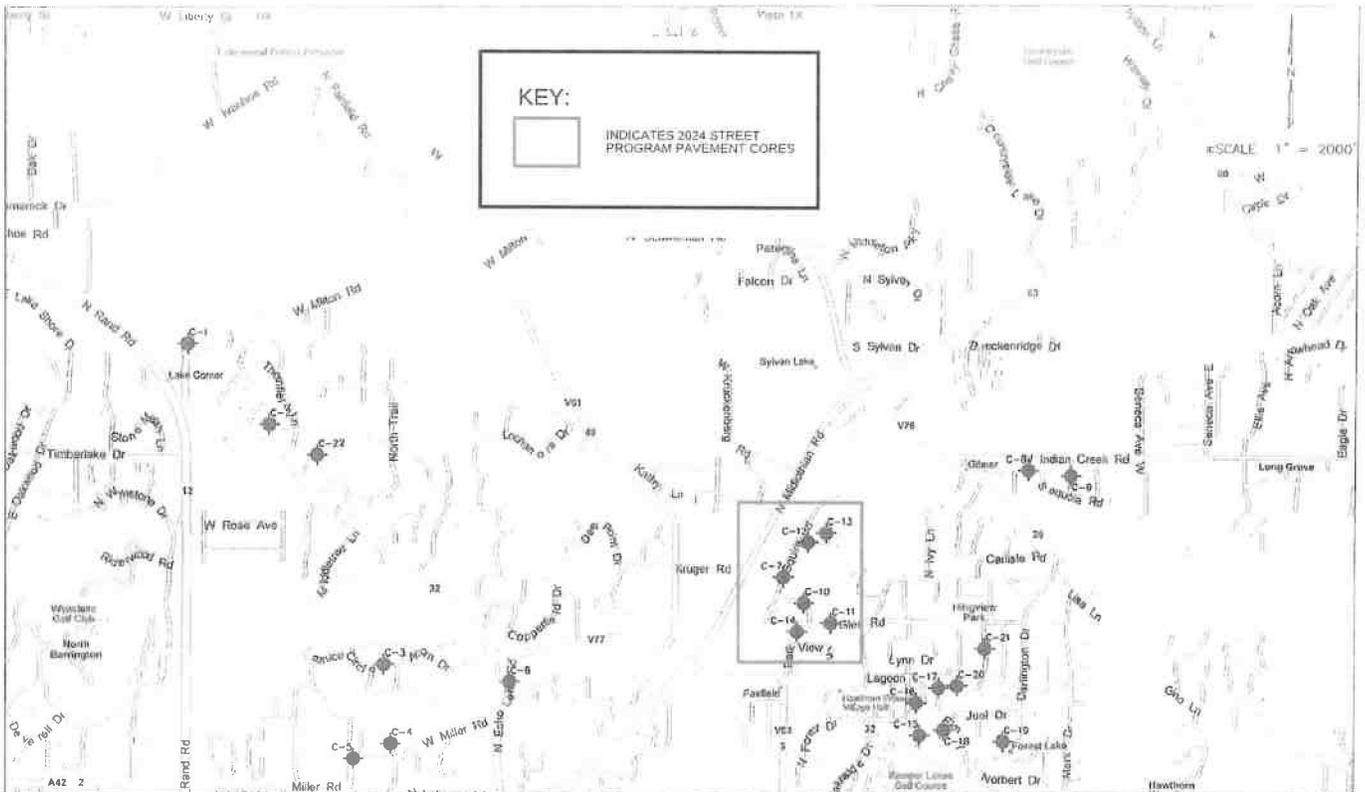
DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ _{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0								0.8	750.2	Bituminous Concrete
		1	SS	4	21.8	0.75*	106	1.2	749.8	FILL - Brown SAND and GRAVEL, damp (SP/GP)
5		2	SS	5	21.5	1.5*	106			FILL - Brown trace dark brown and black silty CLAY, little sand, trace gravel, moist (CL)
		3	SS	3	23.8	1.0*	101			
10		4	SS	7	24.9	2.56 3.0*		8.0	743.0	Very stiff brown trace gray silty CLAY, trace sand and gravel, moist (CL)
		5	SS	9	20.2	1.97 2.25*		10.5	740.5	
15		6	SS	8	19.4	2.5*				Stiff to very stiff brownish-gray silty CLAY, trace sand and gravel, moist (CL)
20		7	SS	11	25.1	1.77 1.5*				
		8	SS	15	15.7	1.0*		22.0	729.0	Stiff gray silty CLAY, trace sand and gravel, moist (CL)
25										
		9	SS	13	19.6	3.22 3.25*		27.0	724.0	Very stiff gray silty CLAY, trace sand and gravel, moist (CL)
30										End of Boring at 30.0'
35										* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.
40										

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

DRILL RIG NO. **358**

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II. APPENDIX	



April 1, 2024



TESTING SERVICE CORPORATION

Corporate Office

360 South Main Place, Carol Stream, IL 60188-2404
630.462.2600

Mr. Lee Fell
Christopher B. Burke Engineering, Ltd.
9575 West Higgins Road, Suite 600
Rosemont, IL 60018-4920

RE: L – 96,695
Potentially Impacted Property Evaluation for LPC-663 Form
Indian Creek Road Culvert Replacement
Indian Creek Road between Seneca Avenue West and East
Hawthorn Woods, IL

Dear Mr. Fell:

Testing Service Corporation (TSC) has completed a Potentially Impacted Property (PIP) Evaluation, soil sampling, and laboratory analyses for the above captioned project. The general scope of work was presented in TSC's proposal number 71,864A dated October 4, 2023. The General Conditions document which accompanied the proposal also applies to this report. TSC was requested to evaluate site soil conditions for the disposal of construction spoils at a Clean Construction & Demolition Debris (CCDD) or Uncontaminated Soil Fill Operation (USFO) facility.

Uncontaminated soil including uncontaminated soil mixed with clean construction or demolition debris (CCDD) accepted at a CCDD fill operation must be certified to be uncontaminated soil in accordance with Section 22.51(f)(2)(B) of the Environmental Protection Act [415 ILCS 5/22.51(f)(2)(B)].

Uncontaminated soil accepted at an uncontaminated soil fill operation (USFO) must be certified to be uncontaminated soil in accordance with Section 22.51a(d)(2)(B) of the Environmental Protection Act [415 ILCS 5/22.51a(d)(2)(B)]. These certifications must be made by a licensed professional engineer or geologist (PE/PG) using the Form LPC-663 when the soil is removed from a site which is determined by the PE/PG to be a "Potentially Impacted Property" (PIP) based on review of readily ascertainable property history, environmental databases and site reconnaissance. Uncontaminated soil from a site which is not identified as a PIP by the PE/PG may be certified by either the source site owner or operator using LPC-662 with pH analysis only.

Source Site

The source site ("Site") is along Indian Creek Road at Indian Creek between Seneca Avenue West and East in a residential/agricultural area of Hawthorn Woods, IL. The activity that is generating the soil for disposal is replacement of the culverts on the road going over the creek.

Records Review

In accordance with Illinois Administrative Code 35 Part 1100, on behalf of the Site owner, TSC evaluated the historical uses of the Site to identify potential contamination sources, both from the Site and adjoining properties, which may cause the Site to be considered a PIP.

TSC researched the history of the property by reviewing historical topographic maps dating back to 1923 and aerial photographs dating back to 1939. Based on this information, the Site and surrounding area had been used for agricultural purposes since before that time. Residential subdivision development of the area began to the north and southwest after 1980 and completed after 1988. The land to the southeast has remained agricultural. The Site and surrounding properties then remain as described to the present.

TSC evaluated current Federal and State environmental agency records for the Site and vicinity by obtaining information from an EDR First Report from Environmental Data Resources, Inc. (EDR). The EDR First Report identifies listings on reviewed environmental databases within one quarter mile of the Site address and is utilized in identifying potential contamination sources, both at the Site and from adjoining properties, which may cause the Site to be considered a PIP.

The EDR First Report information does not identify the Site itself on the reviewed environmental databases.

The EDR First Report information does not identify any adjoining nor nearby properties to the Site on the various reviewed environmental databases.

No other properties appeared in the EDR First Report.

The EDR First Report Orphan Summary did identify one property that was found by the Site reconnaissance and historical review to be outside a reasonably likely zone of influence to the Site.

Site Reconnaissance

On March 7, 2024, TSC conducted a reconnaissance of the Site and adjoining properties for the purpose of identifying indications of the use or disposal of hazardous substances or petroleum products. The Site is a portion of a street in a residential/agricultural area consistent with information reviewed on topographic maps, aerial photographs, and the EDR environmental database report. No indications of staining, unnaturally stressed vegetation or areas conspicuously absent of vegetation were noted at the Site. No evidence of aboveground storage tanks or of vent or fill pipes suggesting the presence of underground storage tanks were identified at the Site areas to be excavated. No indication of petroleum sheen was identified. No indications of solid waste or drum storage were noted at the Site. No suspect PCB containing equipment or hazardous waste generation was identified on Site. No evidence of the use or release of hazardous substances or petroleum products was identified at the Site in or affecting areas that are to be excavated. No additional sources of potential impact from the Site or adjacent properties were identified. The current status of the surrounding properties is also consistent with the information reviewed and none of the above conditions were noted at their locations within a zone of influence to the Site. No additional sources of potential impact from the Site or adjacent properties were identified.

Based on neither the Site itself nor any adjoining or nearby properties to the Site appearing on the environmental database search results, the Site was **not** identified as a Potentially Impacted Property. However, it was requested by the client to evaluate the Site for offsite soil disposal utilizing the LPC-663 form. The collection of soil samples and analysis were performed to evaluate the soil for common contaminants of concern.

Soil Sampling & Analytical Testing

On March 8, 2024, TSC, in conjunction with a geotechnical investigation, performed two soil borings (B-1 and B-2) along Indian Creek Road. The boring locations are indicated on the attached Boring Location Plan.

Soil at the Site consists generally of silty clay with little sand and gravel. The soil samples were screened using a Mini-RAE 3000 photo-ionization detector (PID), which did not detect any readings exceeding background conditions. No visual or odorous signs of impact were noted in the samples. Samples B-1/S-2 and B-2/S-2, from 3.5-5 feet below ground surface (bgs), were selected as being representative of the soil to be removed from the Site. The samples were placed in laboratory supplied jars and 5035 preserved vials. The samples were then transported to the analytical laboratory in a cooler on ice using standard chain of custody procedures. TSC's Professional Geologist, determined that analysis for Volatile Organic Compounds (VOCs), Polynuclear Aromatic hydrocarbons (PNAs), total RCRA metals, and pH, are appropriate indicator parameters of potential impact to the Site.

The analytical results are presented in the First Environmental Laboratories, Inc. analytical report dated March 20, 2024. The analytical report indicates that no VOCs or PNAs were detected in any of the samples at the laboratory reporting limits, except for the VOC tetrachloroethene in B-1/S-2. Several of the total RCRA metals were detected in all of the samples, at typical background levels. The pH values of 8.29 for sample B-1/S-2 and 8.26 for B-2/S-2 are within the required range of 6.25-9.0 units.

The analytical results were compared to the Maximum Allowable Concentrations of Chemical Constituents (MACs) listed in 35 IAC 1100 Subpart F. The analytical results obtained from the soil samples tested indicate that all analyzed parameters meet their respective MACs for disposal at a CCDD/USFO facility.

The IEPA LPC-663 Form, Uncontaminated Soil Certification, signed by a Licensed Professional Geologist, along with the analytical report and chain of custody, has been completed for disposal of the soil from the source site, the Indian Creek culverts on Indian Creek Road in Hawthorn Woods, IL, as shown on last page of the attached EDR First Report.

TSC recommends the full report be forwarded to the CCDD/USFO facility selected for disposal. It is noted that the CCDD/USFO facility will make the determination on whether or not they will choose to accept the soil and may request additional analytical data. Additionally, the CCDD/USFO will screen each load of soil with a PID, which will determine the final acceptance of individual loads, regardless of the analytical results.

We appreciate the opportunity to be of service to you. Please contact us with any questions.

Respectfully,

TESTING SERVICE CORPORATION

Prepared by:



Brian K. Walker, P.G. #196.000772
Environmental Department Manager



Aaron J. Ulrey, P.G. #196.001390
Project Geologist

BKW:AJU:ljm

Enc: LPC-663 Form
Boring Location Plan
Lab Results Summary Table
Analytical Report and Chain of Custody
EDR First Report



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

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: Indian Creek Culvert Replacement Office Phone Number, if available: 847-823-0500

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

Indian Creek Road between Seneca Avenue West and East

City: Hawthorn Woods State: IL Zip Code: 60047

County: Lake Township: Ela

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

Latitude: 42.23349 Longitude: -88.02233

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: BOL: None BOW: None BOA: None

Approximate Start Date (mm/dd/yyyy): _____ Approximate End Date (mm/dd/yyyy): _____

Estimated Volume of debris (cu. Yd.): _____

II. Owner/Operator Information for Source Site

Site Owner

Name: _____

Street Address: _____

PO Box: _____

City: _____ State: _____

Zip Code: _____ Phone: _____

Contact: _____

Email, if available: _____

Site Operator

Name: _____

Street Address: _____

PO Box: _____

City: _____ State: _____

Zip Code: _____ Phone: _____

Contact: _____

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.

Uncontaminated Soil 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):

See attached report. Review of historical topo maps to 1923, aerials to 1939 indicate Site was agricultural since before that time. Subdivision began after 1980 to after 1988. No adjoining nor nearby properties identified on EDR. 2 borings performed, screened with PID.

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]:

Soil samples B-1/S-2 and B-2/S-2 representing site soil conditions, collected for analysis of VOCs, PNAs, total RCRA metals, & pH. Lab report 24-1906 analytical results verify soil meets MACs. pH of 8.29 for B-1/S-2 and 8.26 for B-2/S-2 between 6.25 and 9.0, therefore, soils in those locations uncontaminated.

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

I, Aaron J. Ulrey (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.

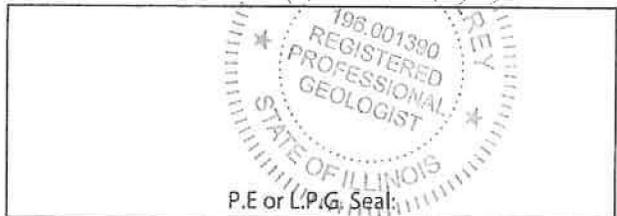
Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Testing Service Corporation
Street Address: 360 South Main Place
City: Carol Stream State: IL Zip Code: 60188
Phone: 630-784-4012

Aaron J. Ulrey
Printed Name:


Licensed Professional Engineer or
Licensed Professional Geologist Signature:

4-1-2024
Date:



L-96,955



<p>LEGEND</p> <p>● SOIL BORING LOCATION</p>	<p>CULVERT REPLACEMENT INDIAN CREEK ROAD HAWTHORN WOODS ILLINOIS</p>	<p>TSC TESTING SERVICE CORPORATION 360 SOUTH MAIN PLACE CAROL STREAM, ILLINOIS 60188</p>	<p>DRAWN BY: DPD</p>	<p>PAGE NO.</p> <p>1 OF 1</p>
			<p>CHECKED BY: DPD</p>	
			<p>JOB NO: L - 96,695</p>	
			<p>DATE: 3/14/24</p>	

TESTING SERVICE CORP.

96695 - Indian Creek Culverts		B-1/S-2	B-2/S-2
Date of Sample Collection:	3/8/2024	3/8/2024	3/8/2024
Time of Sample Collection:			
First Environmental Lab. Numbers:	24-1906-001	24-1906-002	

Contaminants of Concern:

Volatile Organic Compounds (5035A/8260B)

Date Analyzed:	Units	RDL	3/13/2024	3/13/2024	3/13/2024	Maximum Allowable Concentration	MAC within a MSA County	MAC within a non-MSA county	MAC within Chicago corporate limits	MAC within a populated area in a MSA excluding Chicago	MAC within a populated area in a non-MSA county	MAC outside a populated area
Acetone	mg/kg	0.2	<0.2	<0.2	<0.2	25						
Benzene	mg/kg	0.005	<0.005	<0.005	<0.005	0.03						
Bromodichloromethane	mg/kg	0.005	<0.005	<0.005	<0.005	0.6						
Bromoform	mg/kg	0.005	<0.005	<0.005	<0.005	0.8						
Bromomethane	mg/kg	0.01	<0.01	<0.01	<0.01	0.2						
Carbon disulfide	mg/kg	0.005	<0.005	<0.005	<0.005	9						
Carbon tetrachloride	mg/kg	0.005	<0.005	<0.005	<0.005	0.07						
Chlorobenzene	mg/kg	0.005	<0.005	<0.005	<0.005	1						
Chlorodibromomethane	mg/kg	0.005	<0.005	<0.005	<0.005	0.4						
Chloroform	mg/kg	0.005	<0.005	<0.005	<0.005	0.3						
1,1-Dichloroethane	mg/kg	0.005	<0.005	<0.005	<0.005	23						
1,2-Dichloroethane	mg/kg	0.005	<0.005	<0.005	<0.005	0.02						
1,1,1-Trichloroethane	mg/kg	0.005	<0.005	<0.005	<0.005	0.06						
cis-1,2-Dichloroethane	mg/kg	0.005	<0.005	<0.005	<0.005	0.4						
trans-1,2-Dichloroethane	mg/kg	0.005	<0.005	<0.005	<0.005	0.7						
1,2-Dichloropropane	mg/kg	0.005	<0.005	<0.005	<0.005	0.03						
cis-1,3-Dichloropropene	mg/kg	0.004	<0.004	<0.004	<0.004	0.005						
trans-1,3-Dichloropropene	mg/kg	0.004	<0.004	<0.004	<0.004	0.005						
Ethylbenzene	mg/kg	0.005	<0.005	<0.005	<0.005	13						
Methyl-tert-butylether (MTBE)	mg/kg	0.005	<0.005	<0.005	<0.005	0.32						
Methylene chloride	mg/kg	0.02	<0.02	<0.02	<0.02	0.02						
Styrene	mg/kg	0.005	<0.005	<0.005	<0.005	4						
Tetrachloroethene	mg/kg	0.005	0.0236	<0.005	<0.005	0.06						
Toluene	mg/kg	0.005	<0.005	<0.005	<0.005	12						
1,1,1-Trichloroethane	mg/kg	0.005	<0.005	<0.005	<0.005	2						
1,1,2-Trichloroethane	mg/kg	0.005	<0.005	<0.005	<0.005	0.02						
Trichloroethene	mg/kg	0.005	<0.005	<0.005	<0.005	0.06						
Vinyl acetate	mg/kg	0.01	<0.01	<0.01	<0.01	10						
Vinyl chloride	mg/kg	0.01	<0.01	<0.01	<0.01	0.01						
Xylene, Total	mg/kg	0.005	<0.005	<0.005	<0.005	5.6						

TESTING SERVICE CORP.

96695 - Indian Creek Culverts		B-1/S-2	B-2/S-2	Maximum Allowable Concentration	MAC within a MSA County	MAC within a non-MSA county	MAC within Chicago corporate limits	MAC within a populated area in a MSA excluding Chicago	MAC within a populated area in a non-MSA county	MAC outside a populated area
Date of Sample Collection:		3/8/2024	3/8/2024							
Time of Sample Collection:										
First Environmental Lab. Numbers:		24-1906-001	24-1906-002							

Contaminants of Concern:

Polynuclear Aromatic Hydrocarbons (8270C)

Date Analyzed:	Units	RDL	3/13/2024							
Acenaphthene	mg/kg	0.33	<0.33	<0.33						
Anthracene	mg/kg	0.33	<0.33	<0.33						
Benzo(a)anthracene	mg/kg	0.33	<0.33	<0.33			1.1	1.8	0.9	0.9
Benzo(a)pyrene	mg/kg	0.09	<0.09	<0.09			1.3	2.1	0.98	0.09
Benzo(b)fluoranthene	mg/kg	0.33	<0.33	<0.33			1.5	2.1	0.9	0.9
Benzo(k)fluoranthene	mg/kg	0.33	<0.33	<0.33						
Chrysene	mg/kg	0.33	<0.33	<0.33						
Dibenzo(a,h)anthracene	mg/kg	0.09	<0.09	<0.09			0.2	0.42	0.15	0.09
Fluoranthene	mg/kg	0.33	<0.33	<0.33						
Fluorene	mg/kg	0.33	<0.33	<0.33						
Indeno(1,2,3-cd)pyrene	mg/kg	0.33	<0.33	<0.33			0.9	1.6	0.9	0.9
Naphthalene	mg/kg	0.33	<0.33	<0.33						
Pyrene	mg/kg	0.33	<0.33	<0.33						

Total Metals (6010C)

Date Analyzed:	Units	RDL	3/19/2024	3/19/2024	3/14/2024	3/14/2024
Arsenic	mg/kg	1	5	5	5.5	
Barium	mg/kg	0.5	66	66	56.2	13
Cadmium	mg/kg	0.5	1.7	1.7	1.6	11.3
Chromium	mg/kg	0.5	15.6	15.6	15.8	
Lead	mg/kg	0.5	19.9	19.9	12.4	
Selenium	mg/kg	1	<1.0	<1.0	<1.0	
Silver	mg/kg	0.2	<0.2	<0.2	<0.2	

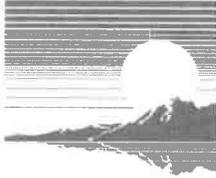
Total Mercury (7471B)

Date Analyzed:	Units	RDL	3/14/2024	3/14/2024
Mercury	mg/kg	0.05	<0.05	<0.05

pH @ 25°C, 1:2 (9045D)

Date Analyzed:	Units	RDL	3/13/2024	3/13/2024
pH @ 25°C, 1:2	Units		8.29	8.26

6.25-9.00



March 20, 2024

Mr. Aaron Ulrey
TESTING SERVICE CORP.
360 S. Main Place
Carol Stream, IL 60188

Project ID: 96695 - Indian Creek Culverts
First Environmental File ID: 24-1906
Date Received: March 11, 2024

Dear Mr. Aaron Ulrey:

The above referenced project was analyzed as directed on the enclosed chain of custody record.

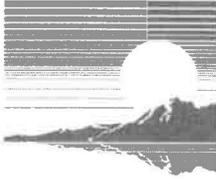
All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number:

1002922024-12: effective 02/23/24 through 02/28/2025.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,

Joy Geraci
Project Manager



Case Narrative

TESTING SERVICE CORP.

Lab File ID: **24-1906**

Project ID: **96695 - Indian Creek Culverts**

Date Received: **March 11, 2024**

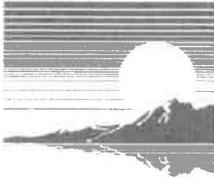
All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

The results in this report apply to the samples in the following table:

Laboratory Sample ID	Client Sample Identifier	Date/Time Collected
24-1906-001	B-1/S-2	3/8/2024
24-1906-002	B-2/S-2	3/8/2024

Sample Batch Comments:

Time of sample collection was not provided.



Case Narrative

TESTING SERVICE CORP.

Lab File ID: **24-1906**

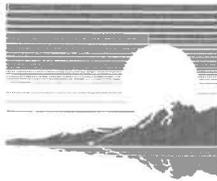
Project ID: **96695 - Indian Creek Culverts**

Date Received: **March 11, 2024**

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

The following is a definition of flags that may be used in this report:

Flag	Description	Flag	Description
A	Method holding time is 15 minutes from collection. Lab analysis was performed as soon as possible.		
B	Analyte was found in the method blank.	L	LCS recovery outside control limits.
<	Analyte not detected at or above the reporting limit.	M	MS recovery outside control limits; LCS acceptable.
C	Sample received in an improper container for this test.	P	Chemical preservation pH adjusted in lab.
D	Surrogates diluted out; recovery not available.	Q	Result was determined by a GC/MS database search.
E	Estimated result; concentration exceeds calibration range.	S	Analysis was subcontracted to another laboratory.
G	Surrogate recovery outside control limits.	T	Result is less than three times the MDL value.
H	Analysis or extraction holding time exceeded.	W	Reporting limit elevated due to sample matrix.
I	ICVS % rec outside 95-105% but within 90-110%		
J	Estimated result; concentration is less than routine RL but greater than MDL.	N	Analyte is not part of our NELAC accreditation or accreditation may not be available for this parameter.
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.



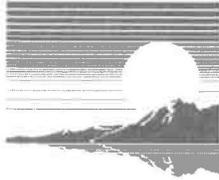
Analytical Report

Client: TESTING SERVICE CORP.
Project ID: 96695 - Indian Creek Culverts
Sample ID: B-1/S-2
Sample No: 24-1906-001

Date Collected: 03/08/24
Time Collected:
Date Received: 03/11/24
Date Reported: 03/20/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total				
Method: 2540G 2011				
Analysis Date: 03/12/24				
Total Solids	82.07		%	
Volatile Organic Compounds				
Method: 5035A/8260B				
Analysis Date: 03/13/24				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	23.6	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	



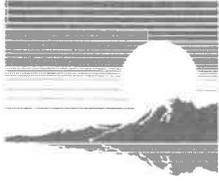
Analytical Report

Client: TESTING SERVICE CORP.
Project ID: 96695 - Indian Creek Culverts
Sample ID: B-1/S-2
Sample No: 24-1906-001

Date Collected: 03/08/24
Time Collected:
Date Received: 03/11/24
Date Reported: 03/20/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds		Method: 5035A/8260B		
Analysis Date: 03/13/24				
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Polynuclear Aromatic Hydrocarbons		Method: 8270C		
Analysis Date: 03/13/24				
		Preparation Method 3546		
Preparation Date: 03/12/24				
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	< 90	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	
Fluoranthene	< 330	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Pyrene	< 330	330	ug/kg	
Total Metals		Method: 6010C		
Analysis Date: 03/19/24				
		Preparation Method 3050B		
Preparation Date: 03/13/24				
Arsenic	5.0	1.0	mg/kg	
Barium	66.0	0.5	mg/kg	
Cadmium	1.7	0.5	mg/kg	
Chromium	15.6	0.5	mg/kg	
Lead	19.9	0.5	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Total Mercury		Method: 7471B		
Analysis Date: 03/14/24				
Mercury	< 0.05	0.05	mg/kg	



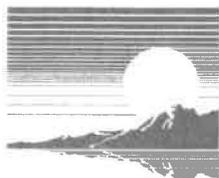
Analytical Report

Client: TESTING SERVICE CORP.
Project ID: 96695 - Indian Creek Culverts
Sample ID: B-1/S-2
Sample No: 24-1906-001

Date Collected: 03/08/24
Time Collected:
Date Received: 03/11/24
Date Reported: 03/20/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
pH @ 25°C, 1:2				
Analysis Date: 03/13/24 11:00				
	Method: 9045D			
pH @ 25°C, 1:2	8.29		Units	



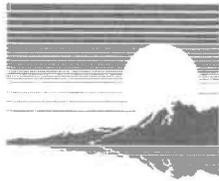
Analytical Report

Client: TESTING SERVICE CORP.
Project ID: 96695 - Indian Creek Culverts
Sample ID: B-2/S-2
Sample No: 24-1906-002

Date Collected: 03/08/24
Time Collected:
Date Received: 03/11/24
Date Reported: 03/20/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total		Method: 2540G 2011		
Analysis Date: 03/12/24				
Total Solids	80.09		%	
Volatile Organic Compounds		Method: 5035A/8260B		
Analysis Date: 03/13/24				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	



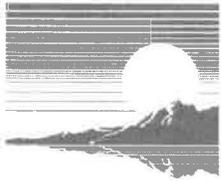
Analytical Report

Client: TESTING SERVICE CORP.
Project ID: 96695 - Indian Creek Culverts
Sample ID: B-2/S-2
Sample No: 24-1906-002

Date Collected: 03/08/24
Time Collected:
Date Received: 03/11/24
Date Reported: 03/20/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds Method: 5035A/8260B				
Analysis Date: 03/13/24				
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Polynuclear Aromatic Hydrocarbons Method: 8270C				
Analysis Date: 03/13/24				
Preparation Method 3546				
Preparation Date: 03/12/24				
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	< 90	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	
Fluoranthene	< 330	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Pyrene	< 330	330	ug/kg	
Total Metals Method: 6010C				
Analysis Date: 03/14/24				
Preparation Method 3050B				
Preparation Date: 03/13/24				
Arsenic	5.5	1.0	mg/kg	
Barium	56.2	0.5	mg/kg	
Cadmium	1.6	0.5	mg/kg	
Chromium	15.8	0.5	mg/kg	
Lead	12.4	0.5	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Total Mercury Method: 7471B				
Analysis Date: 03/14/24				
Mercury	< 0.05	0.05	mg/kg	



Analytical Report

Client: TESTING SERVICE CORP.
Project ID: 96695 - Indian Creek Culverts
Sample ID: B-2/S-2
Sample No: 24-1906-002

Date Collected: 03/08/24
Time Collected:
Date Received: 03/11/24
Date Reported: 03/20/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
pH @ 25°C, 1:2				
Method: 9045D				
Analysis Date: 03/13/24 11:00				
pH @ 25°C, 1:2	8.26		Units	

Indian Creek Road Resurfacing Section 2
Indian Creek Road From Seneca W To City Limit
Lake Zurich, IL 60047

Inquiry Number: 7507861.1s
November 29, 2023

EDR FIRST REPORT

A Search of ASTM E1527-21 §8.2.2 Databases



edrnet.com

800.352.0050

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This report includes a search of reasonably available environmental records to assist the professional in compliance with Section 8.2.1 Standard Federal, State, and Tribal Environmental Record Source of ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-21). Additional environmental records sources may be available for your property.

Target Site: INDIAN CREEK ROAD FROM SENECA W TO CITY LIMIT
LAKE ZURICH, IL 60047

Site Location

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>	<u>UTMs</u>
Longitude:	88.015344	88.0153440 - 88° 0' 55.23"	Easting: 416217.0
Latitude:	42.233491	42.2334910 - 42° 14' 0.56"	Northing: 4675986.0
Elevation:	767 ft. above sea level		Zone: Zone 16

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Search Summary

**TARGET SITE: INDIAN CREEK ROAD FROM SENECA W TO CITY LIMIT
LAKE ZURICH, IL 60047**

Category	Database	Update	Radius	Site	1/8	1/4	1/2	> 1/2	Orphan	TOTALS
<i>Lists of Federal NPL (Superfund) sites</i>										
	NPL	09/19/2023	0.250	0	0	0	-	-	0	0
	Proposed NPL	09/19/2023	0.250	0	0	0	-	-	0	0
	NPL LIENS	10/15/1991	TP	0	-	-	-	-	0	0
<i>Lists of Federal Delisted NPL sites</i>										
	Delisted NPL	09/19/2023	0.250	0	0	0	-	-	0	0
<i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i>										
	FEDERAL FACILITY	06/23/2023	0.250	0	0	0	-	-	0	0
	SEMS	09/19/2023	0.250	0	0	0	-	-	0	0
<i>Lists of Federal CERCLA sites with NFRAP</i>										
	SEMS-ARCHIVE	09/19/2023	0.250	0	0	0	-	-	0	0
<i>Lists of Federal RCRA facilities undergoing Corrective Action</i>										
	CORRACTS	07/24/2023	0.250	0	0	0	-	-	0	0
<i>Lists of Federal RCRA TSD facilities</i>										
	RCRA-TSDF	07/24/2023	0.250	0	0	0	-	-	0	0
<i>Lists of Federal RCRA generators</i>										
	RCRA-LQG	07/24/2023	0.250	0	0	0	-	-	0	0
	RCRA-SQG	07/24/2023	0.250	0	0	0	-	-	0	0
	RCRA-VSQG	07/24/2023	0.250	0	0	0	-	-	0	0
<i>Federal institutional controls / engineering controls registries</i>										
	LUCIS	08/03/2023	0.250	0	0	0	-	-	0	0
	US ENG CONTROLS	08/21/2023	0.250	0	0	0	-	-	0	0
	US INST CONTROLS	08/21/2023	0.250	0	0	0	-	-	0	0
<i>Federal ERNS list</i>										
	ERNS	06/12/2023	TP	0	-	-	-	-	0	0
<i>Lists of state- and tribal hazardous waste facilities</i>										
	SSU	03/23/2022	0.250	0	0	0	-	-	0	0
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>										
	CCDD	09/11/2020	0.250	0	0	0	-	-	0	0

Search Summary

**TARGET SITE: INDIAN CREEK ROAD FROM SENECA W TO CITY LIMIT
LAKE ZURICH, IL 60047**

Category	Database	Update	Radius	Site	1/8	1/4	1/2	> 1/2	Orphan	TOTALS
	SWF/LF	12/31/2021	0.250	0	0	0	-	-	0	0
	LF SPECIAL WASTE	01/01/1990	0.250	0	0	0	-	-	0	0
	IL NIPC	08/01/1988	0.250	0	0	0	-	-	0	0
<i>Lists of state and tribal leaking storage tanks</i>										
	LUST	07/17/2023	0.250	0	0	0	-	-	1	1
	INDIAN LUST	04/20/2023	0.250	0	0	0	-	-	0	0
	LUST TRUST	06/06/2016	0.250	0	0	0	-	-	0	0
<i>Lists of state and tribal registered storage tanks</i>										
	FEMA UST	03/08/2023	0.250	0	0	0	-	-	0	0
	UST	07/17/2023	0.250	0	0	0	-	-	0	0
	AST	07/05/2023	0.250	0	0	0	-	-	0	0
	INDIAN UST	04/20/2023	0.250	0	0	0	-	-	0	0
<i>State and tribal institutional control / engineering control registries</i>										
	ENG CONTROLS	06/26/2023	0.250	0	0	0	-	-	0	0
	INST CONTROL	06/26/2023	0.250	0	0	0	-	-	0	0
<i>Lists of state and tribal voluntary cleanup sites</i>										
	INDIAN VCP	07/27/2015	0.250	0	0	0	-	-	0	0
	SRP	06/26/2023	0.250	0	0	0	-	-	0	0
<i>Lists of state and tribal brownfield sites</i>										
	BROWNFIELDS	02/11/2010	0.250	0	0	0	-	-	0	0
<i>Local Brownfield lists</i>										
	US BROWNFIELDS	04/06/2023	0.250	0	0	0	-	-	0	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>										
	INDIAN ODI	12/31/1998	0.250	0	0	0	-	-	0	0
	DEBRIS REGION 9	01/12/2009	0.250	0	0	0	-	-	0	0
	ODI	06/30/1985	0.250	0	0	0	-	-	0	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>										
	US HIST CDL	08/21/2023	TP	0	-	-	-	-	0	0
	CDL	07/01/2023	TP	0	-	-	-	-	0	0
	US CDL	08/21/2023	TP	0	-	-	-	-	0	0
<i>Local Land Records</i>										
	LIENS 2	09/19/2023	TP	0	-	-	-	-	0	0

Search Summary

**TARGET SITE: INDIAN CREEK ROAD FROM SENECA W TO CITY LIMIT
LAKE ZURICH, IL 60047**

Category	Database	Update	Radius	Site	1/8	1/4	1/2	> 1/2	Orphan	TOTALS
Records of Emergency Release Reports										
	HMIRS	09/18/2023	TP	0	-	-	-	-	0	0
	SPILLS	07/06/2023	TP	0	-	-	-	-	1	1
	SPILLS 90	07/18/2012	TP	0	-	-	-	-	0	0
Other Ascertainable Records										
	RCRA NonGen / NLR	07/24/2023	0.250	0	0	0	-	-	0	0
	FUDS	08/07/2023	0.250	0	0	0	-	-	0	0
	DOD	06/07/2021	0.250	0	0	0	-	-	0	0
	SCRD DRYCLEANERS	07/30/2021	0.250	0	0	0	-	-	0	0
	US FIN ASSUR	06/19/2023	TP	0	-	-	-	-	0	0
	EPA WATCH LIST	08/30/2013	TP	0	-	-	-	-	0	0
	2020 COR ACTION	09/30/2017	0.250	0	0	0	-	-	0	0
	TSCA	12/31/2020	TP	0	-	-	-	-	0	0
	TRIS	12/31/2021	TP	0	-	-	-	-	0	0
	SSTS	07/17/2023	TP	0	-	-	-	-	0	0
	ROD	09/19/2023	0.250	0	0	0	-	-	0	0
	RMP	05/09/2023	TP	0	-	-	-	-	0	0
	RAATS	04/17/1995	TP	0	-	-	-	-	0	0
	PRP	09/19/2023	TP	0	-	-	-	-	0	0
	PADS	03/20/2023	TP	0	-	-	-	-	0	0
	ICIS	11/18/2016	TP	0	-	-	-	-	0	0
	FTTS	04/09/2009	TP	0	-	-	-	-	0	0
	MLTS	07/20/2023	TP	0	-	-	-	-	0	0
	COAL ASH DOE	12/31/2021	TP	0	-	-	-	-	0	0
	COAL ASH EPA	01/12/2017	0.250	0	0	0	-	-	0	0
	PCB TRANSFORMER	09/13/2019	TP	0	-	-	-	-	0	0
	RADINFO	07/01/2019	TP	0	-	-	-	-	0	0
	HIST FTTS	10/19/2006	TP	0	-	-	-	-	0	0
	DOT OPS	01/02/2020	TP	0	-	-	-	-	0	0
	CONSENT	06/30/2023	0.250	0	0	0	-	-	0	0
	INDIAN RESERV	12/31/2014	0.250	0	0	0	-	-	0	0
	UMTRA	08/30/2019	0.250	0	0	0	-	-	0	0
	LEAD SMELTERS	09/19/2023	TP	0	-	-	-	-	0	0
	US AIRS	10/12/2016	TP	0	-	-	-	-	0	0
	US MINES	08/01/2023	0.250	0	0	0	-	-	0	0
	FINDS	11/03/2023	TP	0	-	-	-	-	0	0
	AIRS	07/05/2023	TP	0	-	-	-	-	0	0
	BOL	12/02/2021	TP	0	-	-	-	-	0	0
	COAL ASH	10/01/2011	0.250	0	0	0	-	-	0	0
	DRYCLEANERS	08/03/2023	0.250	0	0	0	-	-	0	0
	Financial Assurance	08/22/2023	TP	0	-	-	-	-	0	0

Search Summary

**TARGET SITE: INDIAN CREEK ROAD FROM SENECA W TO CITY LIMIT
LAKE ZURICH, IL 60047**

Category	Database	Update	Radius	Site	1/8	1/4	1/2	> 1/2	Orphan	TOTALS
	HWAR	12/31/2019	TP	0	-	-	-	-	0	0
	IMPDMNT	12/31/1980	0.250	0	0	0	-	-	0	0
	NPDES	04/16/2014	TP	0	-	-	-	-	0	0
	PIMW	06/08/2023	0.250	0	0	0	-	-	0	0
	TIER 2	12/31/2022	TP	0	-	-	-	-	0	0
	UIC	08/30/2021	TP	0	-	-	-	-	0	0
<i>EDR Exclusive Records</i>										
	EDR MGP	08/28/2009	0.250	0	0	0	-	-	0	0
	EDR Hist Auto	02/20/2007	0.250	0	0	0	-	-	0	0
	EDR Hist Cleaner	02/20/2007	0.250	0	0	0	-	-	0	0
<i>Exclusive Recovered Govt. Archives</i>										
	RGA HWS		TP	0	-	-	-	-	0	0
	RGA LF		TP	0	-	-	-	-	0	0
	RGA LUST		TP	0	-	-	-	-	0	0
	- Totals --			0	0	0	0	0	2	2

Sites Sorted by Distance

TARGET PROPERTY ADDRESS:

INDIAN CREEK ROAD FROM SENECA W TO CITY LIMIT
LAKE ZURICH, IL 60047

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft, mi.) DIRECTION
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NO MAPPED SITES FOUND

Sites Sorted by Database

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

SURROUNDING SITES: SEARCH RESULTS

1.00 Mile Map

INDIAN CREEK ROAD FROM SENECA W TO CITY LIMIT LAKE ZURICH, IL 60047

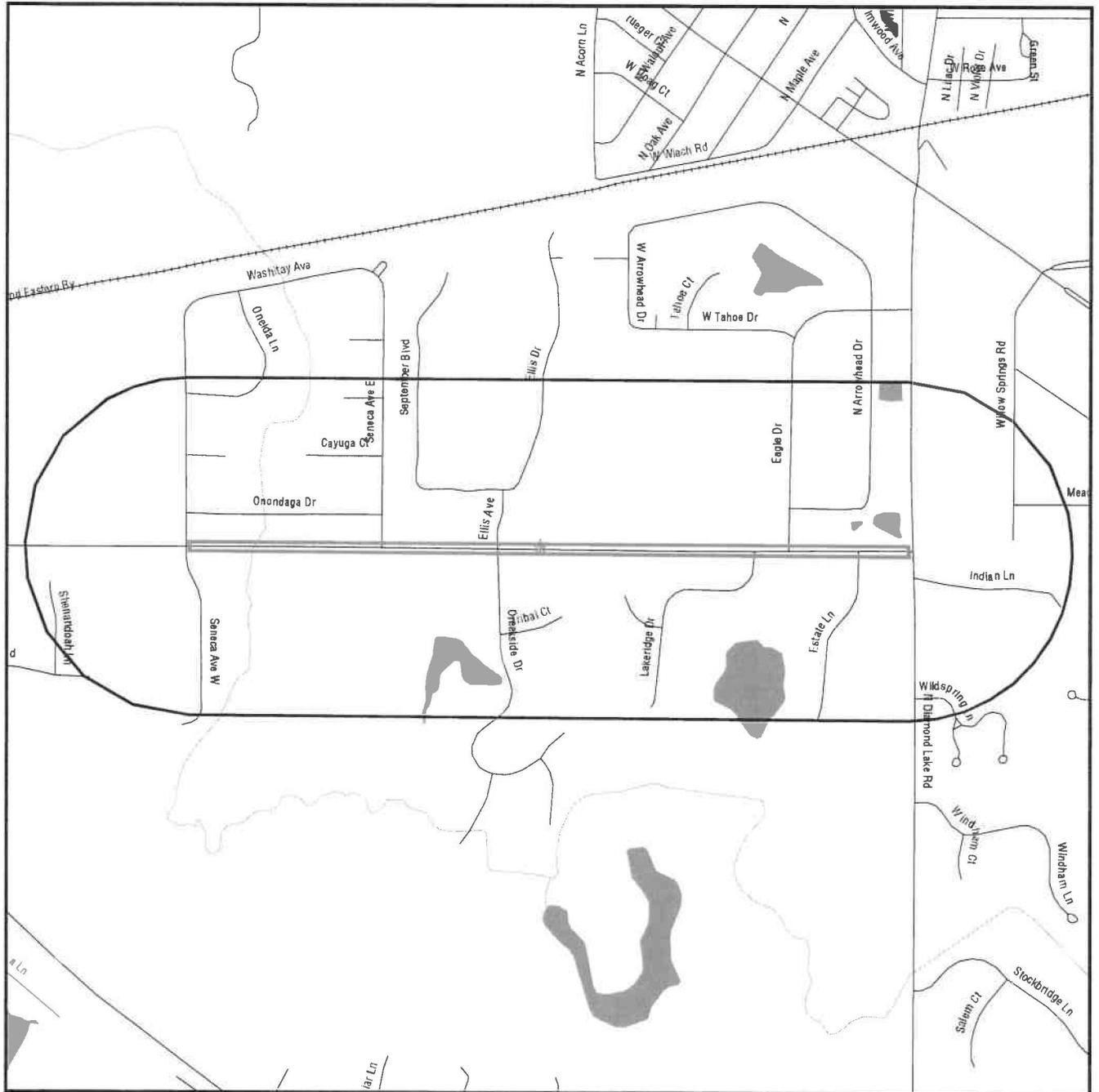


Black Rings Represent Qtr. Mile Radius

- ★ Target Property (Latitude: 42.233491 Longitude: 88.015344)
- ▲ High or Equal Elevation Sites
- Low Elevation Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA

0.25 Mile Map

INDIAN CREEK ROAD FROM SENECA W TO CITY LIMIT LAKE ZURICH, IL 60047



Black Rings Represent Qtr. Mile Radius

- ★ Target Property (Latitude: 42.233491 Longitude: 88.015344)
- ▲ High or Equal Elevation Sites
- Low Elevation Sites
- ▨ National Priority List Sites
- ▨ Dept. Defense Sites
- ▨ Indian Reservations BIA

Mapped Site Details

Target Property: INDIAN CREEK ROAD FROM SENECA W TO CITY LIMIT
LAKE ZURICH, IL 60047
NO SITES FOUND

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MUNDELEIN	S111906973	MUNDELEIN DISPOSAL	20660 INDIAN CREEK ROAD	60060	LUST, SPILLS

RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Gov Date	Arvl Date	Active Date	Last EDR Contact
IL	AIRS	Air Inventory Listing	07/05/2023	07/06/2023	09/20/2023	09/21/2023
IL	AST	Above Ground Storage Tanks	07/05/2023	08/14/2023	10/31/2023	11/08/2023
IL	BOL	Bureau of Land Inventory Database	12/02/2021	12/14/2021	03/01/2022	11/15/2023
IL	BROWNFIELDS	Redevelopment Assessment Database	07/17/2023	07/18/2023	10/03/2023	10/17/2023
IL	BROWNFIELDS	Municipal Brownfields Redevelopment Grant Program Project De	02/11/2010	07/31/2014	09/08/2014	10/19/2023
IL	CCDD	Clean Construction or Demolition Debris	09/11/2020	10/28/2020	12/09/2020	10/02/2023
IL	CDL	Meth Drug Lab Site Listing	07/01/2023	07/05/2023	09/20/2023	09/27/2023
IL	COAL ASH	Coal Ash Site Listing	10/01/2011	03/09/2012	04/10/2012	11/15/2023
IL	DRYCLEANERS	Illinois Licensed Drycleaners	08/03/2023	08/15/2023	10/31/2023	11/10/2023
IL	ENG CONTROLS	Sites with Engineering Controls	06/26/2023	06/26/2023	09/13/2023	09/26/2023
IL	Financial Assurance	Financial Assurance Information Listing	08/22/2023	08/24/2023	09/20/2023	11/08/2023
IL	HWAR	Hazard Waste Annual Report	12/31/2019	05/11/2021	08/02/2021	09/27/2023
IL	IEMA SPILLS	Illinois Emergency Management Agency Spills	07/24/2023	07/25/2023	10/13/2023	10/24/2023
IL	IL NIPC	Solid Waste Landfill Inventory	08/01/1988	04/07/2022	07/01/2022	04/07/2022
IL	IMPDMENT	Surface Impoundment Inventory	12/31/1980	03/08/2002	06/03/2002	05/12/2022
IL	Inst Control	Institutional Controls	06/26/2023	06/26/2023	09/13/2023	09/26/2023
IL	LF SPECIAL WASTE	Special Waste Site List	01/01/1990	06/17/2009	07/15/2009	06/10/2009
IL	LF WMRC	Waste Management & Research Center Landfill Database	12/31/2001	10/06/2006	11/06/2006	09/18/2009
IL	LUST	Leaking Underground Storage Tank Sites	07/17/2023	07/18/2023	10/03/2023	10/17/2023
IL	LUST TRUST	Underground Storage Tank Fund Payment Priority List	06/06/2016	07/27/2016	10/18/2016	10/10/2023
IL	NPDES	A Listing of Active Permits	04/16/2014	04/18/2014	05/20/2014	09/21/2023
IL	PFAS	PFAS Sampling Listing	06/28/2023	07/07/2023	07/20/2023	09/07/2023
IL	PIMW	Potentially Infectious Medical Waste	06/08/2023	06/14/2023	09/01/2023	09/11/2023
IL	RGH HWS	Recovered Government Archive State Hazardous Waste Facilitie		07/01/2013	12/30/2013	06/01/2012
IL	RGH LF	Recovered Government Archive Solid Waste Facilities List		07/01/2013	01/10/2014	06/01/2012
IL	RGH LUST	Recovered Government Archive Leaking Underground Storage Tan		07/01/2013	12/30/2013	06/01/2012
IL	SPILLS	State spills	07/06/2023	07/07/2023	09/20/2023	09/27/2023
IL	SPILLS 90	SPILLS90 data from FirstSearch	07/18/2012	01/03/2013	03/15/2013	01/03/2013
IL	SRP	Site Remediation Program Database	06/26/2023	06/26/2023	09/13/2023	09/26/2023
IL	SSU	State Sites Unit Listing	03/23/2022	03/23/2022	06/17/2022	10/16/2023
IL	SWF/LF	Available Disposal for Solid Waste in Illinois - Solid Waste	12/31/2021	10/19/2022	01/05/2023	10/17/2023
IL	TIER 2	Tier 2 Information Listing	12/31/2022	05/09/2023	08/02/2023	11/02/2023
IL	UIC	Underground Injection Wells	08/30/2021	12/15/2021	03/01/2022	11/08/2023
IL	UST	Underground Storage Tank Facility List	07/17/2023	07/18/2023	10/03/2023	10/17/2023
US	2020 COR ACTION	2020 Corrective Action Program List	09/30/2017	05/08/2018	07/20/2018	11/03/2023
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	07/05/2023	07/06/2023	09/25/2023	10/03/2023
US	BIO SOLIDS	ICIS-NPDES Biosolids Facility Data	07/16/2023	07/18/2023	08/28/2023	10/03/2023
US	BRS	Biennial Reporting System	12/31/2021	03/09/2023	03/20/2023	09/20/2023
US	COAL ASH DOE	Steam-Electric Plant Operation Data	12/31/2021	04/14/2023	07/10/2023	11/27/2023
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	01/12/2017	03/05/2019	11/11/2019	11/27/2023
US	CONSENT	Superfund (CERCLA) Consent Decreets	06/30/2023	07/19/2023	10/10/2023	10/03/2023
US	CORRACTS	Corrective Action Report	07/24/2023	07/31/2023	08/14/2023	09/20/2023
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	01/12/2009	05/07/2009	09/21/2009	10/10/2023
US	DOD	Department of Defense Sites	06/07/2021	07/13/2021	03/09/2022	10/09/2023
US	DOT OPS	Incident and Accident Data	01/02/2020	01/28/2020	04/17/2020	10/04/2023
US	Delisted NPL	National Priority List Deletions	09/19/2023	10/03/2023	10/19/2023	11/01/2023
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations				

RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Gov Date	Appl Date	Active Date	Last EDR Contact
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners				
US	EDR MGP	EDR Proprietary Manufactured Gas Plants				
US	EPA WATCH LIST	EPA WATCH LIST	08/30/2013	03/21/2014	06/17/2014	10/31/2023
US	ERNS	Emergency Response Notification System	06/12/2023	06/20/2023	08/14/2023	09/20/2023
US	FEDERAL FACILITY	Federal Facility Site Information listing	06/23/2023	06/23/2023	09/20/2023	09/26/2023
US	FEDLAND	Federal and Indian Lands	04/02/2018	04/11/2018	11/06/2019	10/04/2023
US	FEMA UST	Underground Storage Tank Listing	03/08/2023	03/09/2023	05/30/2023	10/10/2023
US	FINDS	Facility Index System/Facility Registry System	11/03/2023	11/08/2023	11/20/2023	11/08/2023
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	04/09/2009	04/16/2009	05/11/2009	08/18/2017
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	04/09/2009	04/16/2009	05/11/2009	08/18/2017
US	FUDS	Formerly Used Defense Sites	08/07/2023	08/15/2023	10/10/2023	11/10/2023
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	10/19/2006	03/01/2007	04/10/2007	12/17/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	10/19/2006	03/01/2007	04/10/2007	12/17/2008
US	HMIRS	Hazardous Materials Information Reporting System	09/18/2023	09/20/2023	11/14/2023	09/20/2023
US	ICIS	Integrated Compliance Information System	11/18/2016	11/23/2016	02/10/2017	09/27/2023
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	04/20/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	04/20/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	04/20/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	04/14/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	04/26/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	04/25/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	04/19/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	04/19/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	12/31/1998	12/03/2007	01/24/2008	10/23/2023
US	INDIAN RESERV	Indian Reservations	12/31/2014	07/14/2015	01/10/2017	10/02/2023
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	04/20/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	04/20/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	04/20/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	04/14/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	04/26/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	04/25/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	04/20/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	04/19/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	07/27/2015	09/29/2015	02/18/2016	09/12/2023
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	03/20/2008	04/22/2008	05/19/2008	07/08/2021
US	LEAD SMELTER 1	Lead Smelter Sites	09/19/2023	10/03/2023	10/19/2023	11/01/2023
US	LEAD SMELTER 2	Lead Smelter Sites	04/05/2001	10/27/2010	12/02/2010	12/02/2009
US	LIENS 2	CERCLA Lien Information	09/19/2023	10/03/2023	10/19/2023	11/01/2023
US	LUCIS	Land Use Control Information System	08/03/2023	08/07/2023	10/10/2023	11/02/2023
US	MINES MRDS	Mineral Resources Data System	08/23/2022	11/22/2022	02/28/2023	11/20/2023
US	MINES VIOLATIONS	MSHA Violation Assessment Data	07/05/2023	07/05/2023	09/25/2023	10/04/2023
US	MLTS	Material Licensing Tracking System	07/20/2023	09/01/2023	09/20/2023	10/10/2023
US	NPL	National Priority List	09/19/2023	10/03/2023	10/19/2023	11/01/2023
US	NPL LIENS	Federal Superfund Liens	10/15/1991	02/02/1994	03/30/1994	08/15/2011
US	ODI	Open Dump Inventory	06/30/1985	08/09/2004	09/17/2004	06/09/2004
US	PADS	PCB Activity Database System	03/20/2023	04/04/2023	06/09/2023	10/06/2023
US	PCB TRANSFORMER	PCB Transformer Registration Database	09/13/2019	11/06/2019	02/10/2020	11/03/2023

RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Gov Date	Acyl Date	Active Date	Last EDR Contact
US	PCS	Permit Compliance System	07/14/2011	08/05/2011	09/29/2011	09/28/2023
US	PCS ENF	Enforcement data	12/31/2014	02/05/2015	03/06/2015	09/28/2023
US	PFAS ATSDR	PFAS Contamination Site Location Listing	06/24/2020	03/17/2021	11/08/2022	10/23/2023
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	07/05/2023	07/05/2023	09/25/2023	10/03/2023
US	PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing	07/05/2023	07/05/2023	09/25/2023	10/03/2023
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	07/05/2023	07/05/2023	10/02/2023	10/03/2023
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	07/05/2023	07/05/2023	10/02/2023	10/03/2023
US	PFAS NPL	Superfund Sites with PFAS Detections Information	07/05/2023	07/05/2023	10/02/2023	10/03/2023
US	PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	07/05/2023	07/05/2023	09/25/2023	10/03/2023
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	07/05/2023	07/05/2023	10/02/2023	10/03/2023
US	PFAS TRIS	List of PFAS Added to the TRI	07/05/2023	07/05/2023	10/02/2023	10/03/2023
US	PFAS TSCA	PFAS Manufacture and Imports Information	07/05/2023	07/05/2023	10/02/2023	10/03/2023
US	PFAS WQP	Ambient Environmental Sampling for PFAS	09/23/2023	10/03/2023	10/10/2023	10/03/2023
US	PRP	Potentially Responsible Parties	09/19/2023	10/03/2023	10/19/2023	11/01/2023
US	Proposed NPL	Proposed National Priority List Sites	09/19/2023	10/03/2023	10/19/2023	11/01/2023
US	RAATS	RCRA Administrative Action Tracking System	04/17/1995	07/03/1995	08/07/1995	06/02/2008
US	RADINFO	Radiation Information Database	07/01/2019	07/01/2019	09/23/2019	09/22/2023
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	07/24/2023	07/31/2023	08/14/2023	09/20/2023
US	RCRA-LQG	RCRA - Large Quantity Generators	07/24/2023	07/31/2023	08/14/2023	09/20/2023
US	RCRA-SQG	RCRA - Small Quantity Generators	07/24/2023	07/31/2023	08/14/2023	09/20/2023
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	07/24/2023	07/31/2023	08/14/2023	09/20/2023
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	07/24/2023	07/31/2023	08/14/2023	09/20/2023
US	RMP	Risk Management Plans	05/09/2023	06/29/2023	09/25/2023	09/26/2023
US	ROD	Records Of Decision	09/19/2023	10/03/2023	10/19/2023	11/01/2023
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	07/30/2021	02/03/2023	02/10/2023	11/08/2023
US	SEMS	Superfund Enterprise Management System	09/19/2023	10/03/2023	10/19/2023	11/02/2023
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	09/19/2023	10/03/2023	10/19/2023	11/02/2023
US	SSTS	Section 7 Tracking Systems	07/17/2023	07/18/2023	10/10/2023	10/20/2023
US	TRIS	Toxic Chemical Release Inventory System	12/31/2021	08/18/2023	11/07/2023	11/13/2023
US	TSCA	Toxic Substances Control Act	12/31/2020	06/14/2022	03/24/2023	09/15/2023
US	UMTRA	Uranium Mill Tailings Sites	08/30/2019	11/15/2019	01/28/2020	11/09/2023
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (10/12/2016	10/26/2016	02/03/2017	09/26/2017
US	US AIRS MINOR	Air Facility System Data	10/12/2016	10/26/2016	02/03/2017	09/26/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	04/06/2023	04/13/2023	04/19/2023	08/30/2023
US	US CDL	Clandestine Drug Labs	08/21/2023	08/21/2023	11/07/2023	11/17/2023
US	US ENG CONTROLS	Engineering Controls Sites List	08/21/2023	08/21/2023	11/07/2023	11/17/2023
US	US FIN ASSUR	Financial Assurance Information	06/19/2023	06/20/2023	08/14/2023	09/20/2023
US	US HIST CDL	National Clandestine Laboratory Register	08/21/2023	08/21/2023	11/07/2023	11/17/2023
US	US INST CONTROLS	Institutional Controls Sites List	08/21/2023	08/21/2023	11/07/2023	11/17/2023
US	US MINES	Mines Master Index File	08/01/2023	08/22/2023	11/07/2023	11/17/2023
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	01/07/2022	02/24/2023	05/17/2023	11/20/2023
US	US MINES 3	Active Mines & Mineral Plants Database Listing	04/14/2011	06/08/2011	09/13/2011	11/20/2023

RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Gov Date	Arvl Date	Active Date	Last EDR Contact
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STREET AND ADDRESS INFORMATION

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Database Descriptions

NPL: NPL National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices. NPL - National Priority List Proposed NPL - Proposed National Priority List Sites. NPL LIENS - Federal Superfund Liens.

NPL Delisted: Delisted NPL The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Delisted NPL - National Priority List Deletions

CERCLIS: FEDERAL FACILITY A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities. FEDERAL FACILITY - Federal Facility Site Information listing SEMS - Superfund Enterprise Management System.

NFRAP: SEMS-ARCHIVE SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site. SEMS-ARCHIVE - Superfund Enterprise Management System Archive

RCRA COR ACT: CORRACTS CORRACTS identifies hazardous waste handlers with RCRA corrective action activity. CORRACTS - Corrective Action Report

RCRA TSD: RCRA-TSDF RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste. RCRA-TSDF - RCRA - Treatment, Storage and Disposal

RCRA GEN: RCRA-LQG RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. RCRA-LQG - RCRA - Large Quantity Generators RCRA-SQG - RCRA - Small Quantity Generators. RCRA-VSQG - RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators).

Federal IC / EC: LUCIS LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties. LUCIS - Land Use Control Information System US ENG CONTROLS - Engineering Controls Sites List. US INST CONTROLS - Institutional Controls Sites List.

ERNS: ERNS Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances. ERNS - Emergency Response Notification System

Database Descriptions

State/Tribal CERCLIS: SSU The State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit. SSU - State Sites Unit Listing

State/Tribal SWL: CCDD SWF/LF - Available Disposal for Solid Waste in Illinois - Solid Waste Landfills Subject to State Surcharge. LF WMRC - Waste Management & Research Center Landfill Database. The Waste Management & Research Center Landfill Database includes records from the Department of Public Health, Department of Mines & Minerals, Illinois Environmental Protection Agency, State Geological Survey, Northeastern Illinois Planning Commission and Pollution Control Board. LF WMRC - Waste Management & Research Center Landfill Database LF SPECIAL WASTE - Special Waste Site List. IL NIPC - Solid Waste Landfill Inventory.

State/Tribal LTANKS: LUST Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. LUST - Leaking Underground Storage Tank Sites INDIAN LUST R6 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R10 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R7 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R8 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R9 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R5 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R1 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R4 - Leaking Underground Storage Tanks on Indian Land. LUST TRUST - Underground Storage Tank Fund Payment Priority List.

State/Tribal Tanks: FEMA UST A listing of all FEMA owned underground storage tanks. FEMA UST - Underground Storage Tank Listing UST - Underground Storage Tank Facility List. AST - Above Ground Storage Tanks. INDIAN UST R5 - Underground Storage Tanks on Indian Land. INDIAN UST R8 - Underground Storage Tanks on Indian Land. INDIAN UST R6 - Underground Storage Tanks on Indian Land. INDIAN UST R10 - Underground Storage Tanks on Indian Land. INDIAN UST R7 - Underground Storage Tanks on Indian Land. INDIAN UST R4 - Underground Storage Tanks on Indian Land. INDIAN UST R9 - Underground Storage Tanks on Indian Land. INDIAN UST R1 - Underground Storage Tanks on Indian Land.

State/Tribal IC / EC: ENG CONTROLS Sites using of engineered barriers (e.g., asphalt or concrete paving). ENG CONTROLS - Sites with Engineering Controls Inst Control - Institutional Controls.

State/Tribal VCP: INDIAN VCP R1 SRP - Site Remediation Program Database. INDIAN VCP R7 - Voluntary Cleanup Priority Listing. The database identifies the status of all voluntary remediation projects administered through the pre-notice site cleanup program (1989 to 1995) and the site remediation program (1996 to the present). INDIAN VCP R7 - Site Remediation Program Database

ST/Tribal Brownfields: BROWNFIELDS The Illinois Municipal Brownfields Redevelopment Grant Program (MBRGP) offers grants worth a maximum of \$240,000 each to municipalities to assist in site investigation activities, development of cleanup objectives, and performance of cleanup activities. Brownfields are abandoned or underused industrial and/or commercial properties that are contaminated (or thought to be contaminated) and have an active potential for redevelopment. BROWNFIELDS - Municipal Brownfields Redevelopment Grant Program Project Descriptions BROWNFIELDS - Redevelopment Assessment Database.

US Brownfields: US BROWNFIELDS Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs. US BROWNFIELDS - A Listing of Brownfields Sites

Other SWF: INDIAN ODI Location of open dumps on Indian land. INDIAN ODI - Report on the Status of Open Dumps on Indian Lands DEBRIS REGION 9 - Torres Martinez Reservation Illegal Dump Site Locations. ODI - Open Dump Inventory.

Database Descriptions

Other Haz Sites: US HIST CDL A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register. US HIST CDL - National Clandestine Laboratory Register CDL - Meth Drug Lab Site Listing. US CDL - Clandestine Drug Labs.

Local Land Records: LIENS 2 A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties. LIENS 2 - CERCLA Lien Information

Spills: HMIRS Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT. HMIRS - Hazardous Materials Information Reporting System CHICAGO COMPLAINTS - CDPH Environmental Complaints Listing. SPILLS - State spills. IEMA SPILLS - Illinois Emergency Management Agency Spills. SPILLS 90 - SPILLS90 data from FirstSearch.

Other: RCRA NonGen / NLR RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste. RCRA NonGen / NLR - RCRA - Non Generators / No Longer Regulated FUDS - Formerly Used Defense Sites. DOD - Department of Defense Sites. FEDLAND - Federal and Indian Lands. SCRDRYCLEANERS - State Coalition for Remediation of Drycleaners Listing. US FIN ASSUR - Financial Assurance Information. EPA WATCH LIST - EPA WATCH LIST. 2020 COR ACTION - 2020 Corrective Action Program List. TSCA - Toxic Substances Control Act. TRIS - Toxic Chemical Release Inventory System. SSTS - Section 7 Tracking Systems. ROD - Records Of Decision. RMP - Risk Management Plans. RAATS - RCRA Administrative Action Tracking System. PRP - Potentially Responsible Parties. PADS - PCB Activity Database System. ICIS - Integrated Compliance Information System. FTTS - FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act). FTTS INSP - FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act). MLTS - Material Licensing Tracking System. COAL ASH DOE - Steam-Electric Plant Operation Data. COAL ASH EPA - Coal Combustion Residues Surface Impoundments List. PCB TRANSFORMER - PCB Transformer Registration Database. RADINFO - Radiation Information Database. HIST FTTS - FIFRA/TSCA Tracking System Administrative Case Listing. HIST FTTS INSP - FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing. DOT OPS - Incident and Accident Data. CONSENT - Superfund (CERCLA) Consent Decrees. BRS - Biennial Reporting System. INDIAN RESERV - Indian Reservations. UMTRA - Uranium Mill Tailings Sites. LEAD SMELTER 1 - Lead Smelter Sites. LEAD SMELTER 2 - Lead Smelter Sites. US AIRS (AFS) - Aerometric Information Retrieval System Facility Subsystem (AFS). US AIRS MINOR - Air Facility System Data. MINES VIOLATIONS - MSHA Violation Assessment Data. US MINES - Mines Master Index File. US MINES 2 - Ferrous and Nonferrous Metal Mines Database Listing. US MINES 3 - Active Mines & Mineral Plants Database Listing. MINES MRDS - Mineral Resources Data System. FINDS - Facility Index System/Facility Registry System. PFAS NPL - Superfund Sites with PFAS Detections Information. PFAS FEDERAL SITES - Federal Sites PFAS Information. PFAS TRIS - List of PFAS Added to the TRI. PFAS TSCA - PFAS Manufacture and Imports Information. PFAS RCRA MANIFEST - PFAS Transfers Identified In the RCRA Database Listing. PFAS ATSDR - PFAS Contamination Site Location Listing. PFAS WQP - Ambient Environmental Sampling for PFAS. PFAS NPDES - Clean Water Act Discharge Monitoring Information. PFAS ECHO - Facilities in Industries that May Be Handling PFAS Listing. PFAS ECHO FIRE TRAINING - Facilities in Industries that May Be Handling PFAS Listing. PFAS PART 139 AIRPORT - All Certified Part 139 Airports PFAS Information Listing. AQUEOUS FOAM NRC - Aqueous Foam Related Incidents Listing. PCS ENF - Enforcement data. PCS - Permit Compliance System. BIOSOLIDS - ICIS-NPDES Biosolids Facility Data. PFAS - PFAS Sampling Listing. AIRS - Air Inventory Listing. BOL - Bureau of Land Inventory Database. COAL ASH - Coal Ash Site Listing. DRYCLEANERS - Illinois Licensed Drycleaners. CHICAGO INSPECT - CDPH Environmental Inspections Listing. Financial Assurance - Financial Assurance Information Listing. HWAR - Hazard Waste Annual Report. IMPDMNT - Surface Impoundment Inventory. NPDES - A Listing of Active Permits. PIMW - Potentially Infectious Medical Waste. TIER 2 - Tier 2 Information Listing. UIC - Underground Injection Wells.

EDR Exclusive: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches. EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches. UIC - EDR Exclusive Historical Auto Stations EDR MGP - EDR Proprietary Manufactured Gas Plants. EDR Hist Auto - EDR Exclusive Historical Auto Stations. EDR Hist Cleaner - EDR Exclusive Historical Cleaners.

Database Descriptions

Exclusive Recovered Govt. Archives: RGA HWS The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Illinois. RGA HWS - Recovered Government Archive State Hazardous Waste Facilities List RGA LF - Recovered Government Archive Solid Waste Facilities List. RGA LUST - Recovered Government Archive Leaking Underground Storage Tank.

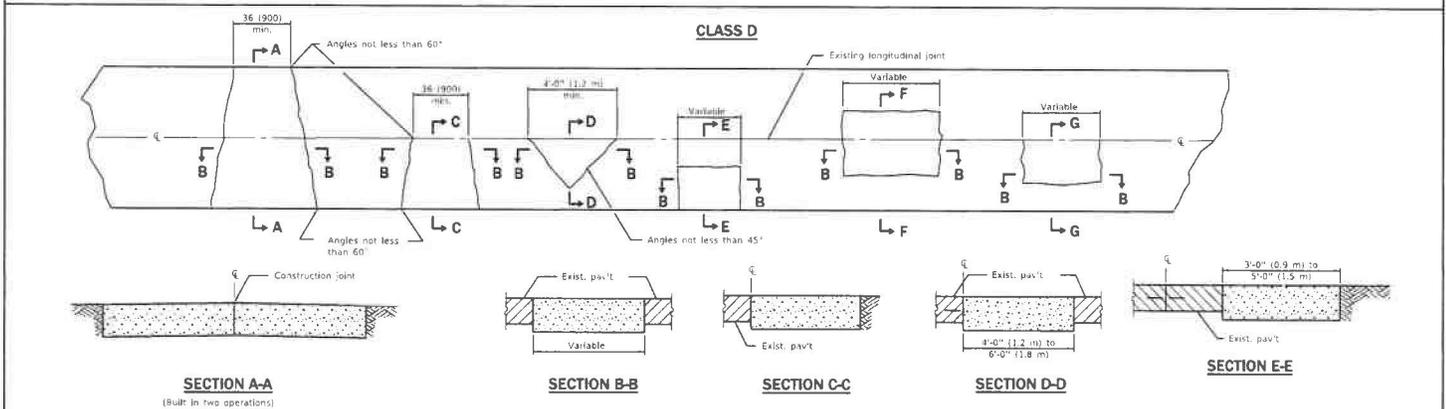
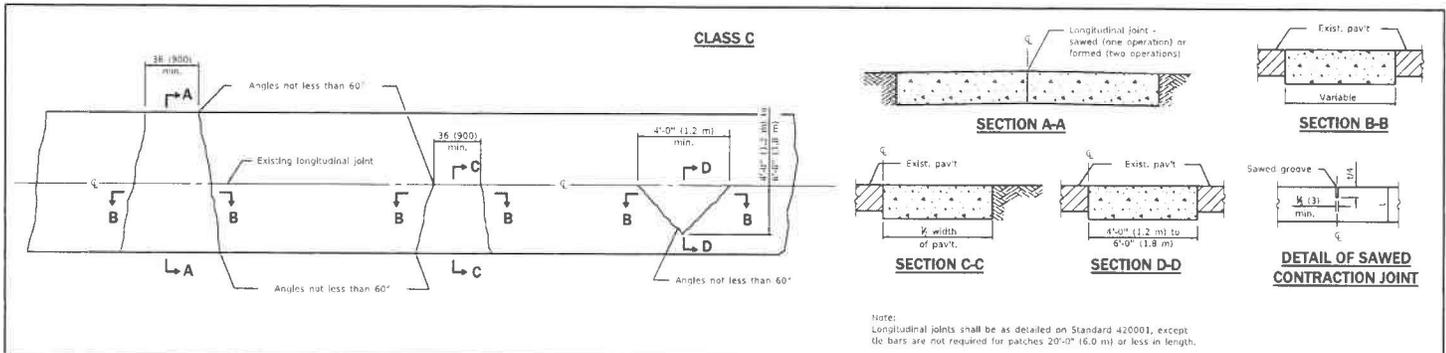
USGS 7.5 Minute Topographic Map

INDIAN CREEK ROAD FROM SENECA W TO CITY LIMIT LAKE ZURICH, IL 60047



Map Image Position: TP
Map Reference Code & Name: 24264820 Lake Zurich
Map State(s): IL
Version Date: 2021
Map Image Position: NE
Map Reference Code & Name: 24186791 Libertyville
Map State(s): IL
Version Date: 2021

Map Image Position: SE
Map Reference Code & Name: 24186795 Wheeling
Map State(s): IL
Version Date: 2021
Map Image Position: NW
Map Reference Code & Name: 24264808 Grayslake
Map State(s): IL
Version Date: 2021



GENERAL NOTES

Existing tie bars shall be either cut or removed.
Marginal bars shall be cut.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-08	Switched units to English (metric).
1-1-07	Revised Note for Class C patches.

CLASS C and D PATCHES

STANDARD 442201-03

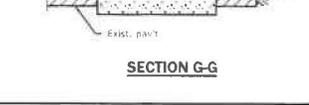
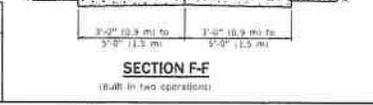
Illinois Department of Transportation

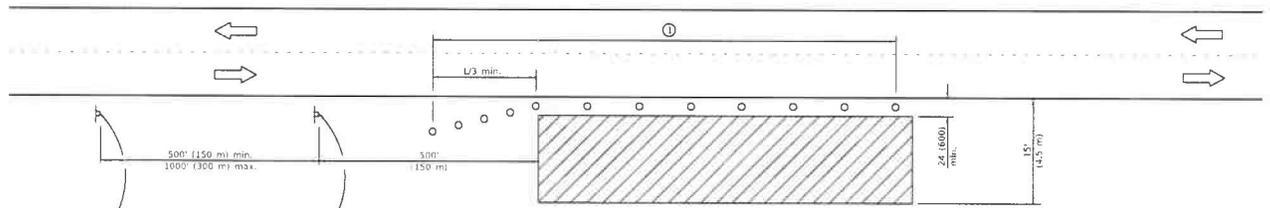
PROJECT: _____

ENGINEER OF SURVEY AND PROJECTIONS: _____

APPROVED: _____

SUPERVISOR OF DESIGN AND ENVIRONMENT: _____





For contract construction projects

 W20-1(03)(0)-48

For maintenance and utility projects

 W20-1(01)-48

W21-1(0)-48

W20-1(01)-48

TYPICAL APPLICATIONS

- Utility operations
- Culvert extensions
- Site slope changes
- Guardrail installation and maintenance
- Delineator installation
- Landscaping operations
- Shoulder repair
- Sign installation and maintenance

SYMBOLS

-  Work area
-  Sign
-  Cone, drum or barricade

① When the work operation exceeds one hour, cones, drums or barricades shall be placed at 25' (8 m) centers for 1/3 distance, and at 50' (15 m) centers through the remainder of the work area.

GENERAL NOTES

This Standard is used where any vehicles, equipment, workers or their activities will encroach in the area 15' (4.5 m) to 24' (600) from the edge of pavement.

Calculate L as follows:

SPEED LIMIT	FORMULAS	
	English	Metric
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{130}$
45 mph (80 km/h) or greater:	$L = (W)(S)$	$L = 0.65(W)(S)$

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

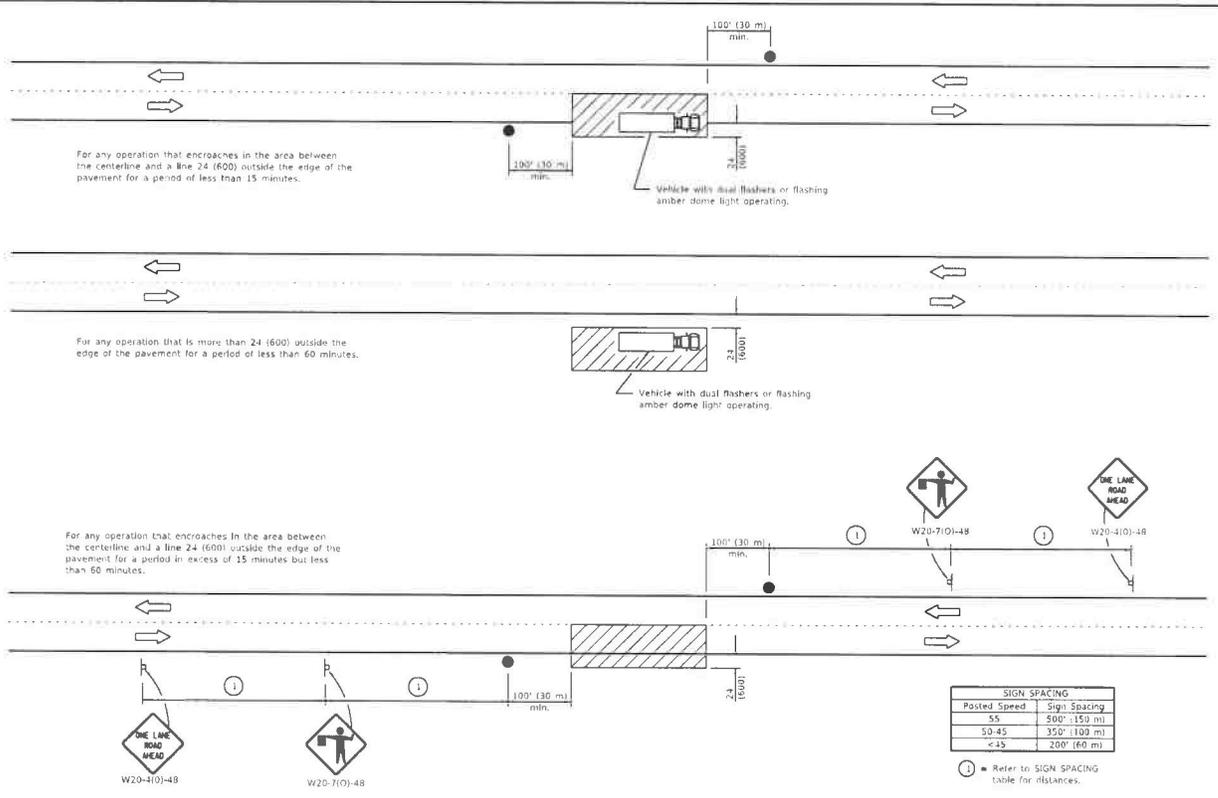
DATE	REVISIONS
1-1-14	Revised workers sign number to agree with current MUTCD.
1-1-13	Omitted text "WORKERS" sign.

OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE

STANDARD 701008-05

Illinois Department of Transportation

DESIGNED: [Signature] DATE: 2/14
 ENGINEER OF SAFETY ENGINEERING
 APPROVED: [Signature] DATE: 2/14
 ILLUSTRATED BY: [Signature]



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
< 45	200' (60 m)

1 Refer to SIGN SPACING table for distances.

TYPICAL APPLICATIONS

- Marking patches
- Field survey
- String line
- Utility operations
- Cleaning up debris on pavement

SYMBOLS

- Work area
- Sign on portable or permanent support
- Flagger with traffic control sign

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PROJECT: _____ DATE: 2/11

DESIGNED BY: *James G. [Signature]*

ENGINEER OF SAFETY ENGINEERING

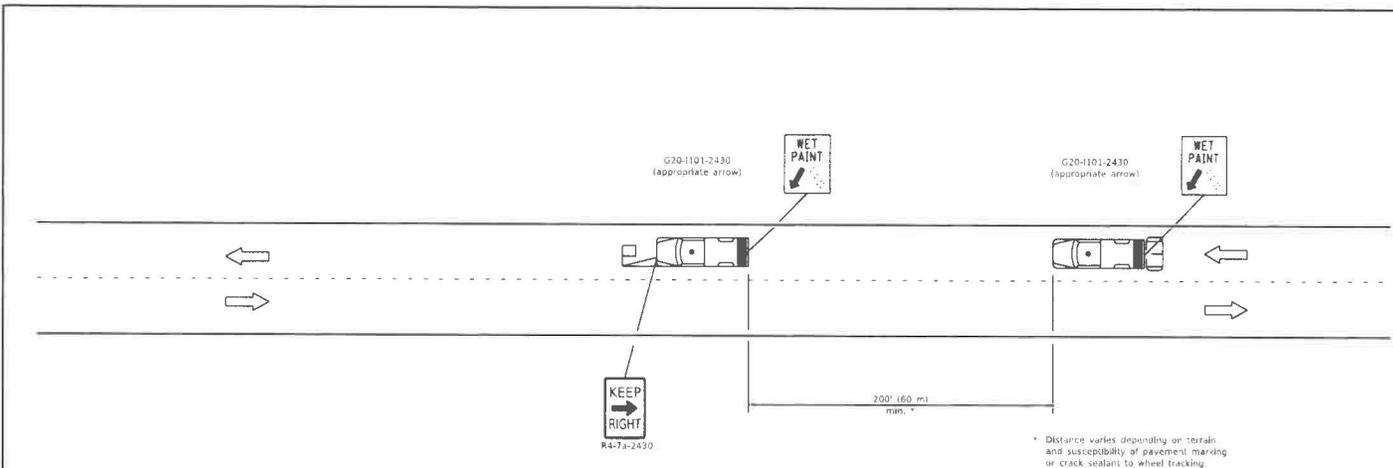
APPROVED BY: *[Signature]* DATE: _____

INTEGRITY OF DESIGN AND CONFORMANCE

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to English (metric).

LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

STANDARD 701301-04



* Distance varies depending on terrain and susceptibility of pavement marking or crack sealant to wheel tracking.

TYPICAL APPLICATIONS
 Landscaping work
 Utility work
 Pavement marking
 Weed spraying
 Radiometer measurements
 Debris cleanup
 Crack pouring

SYMBOLS

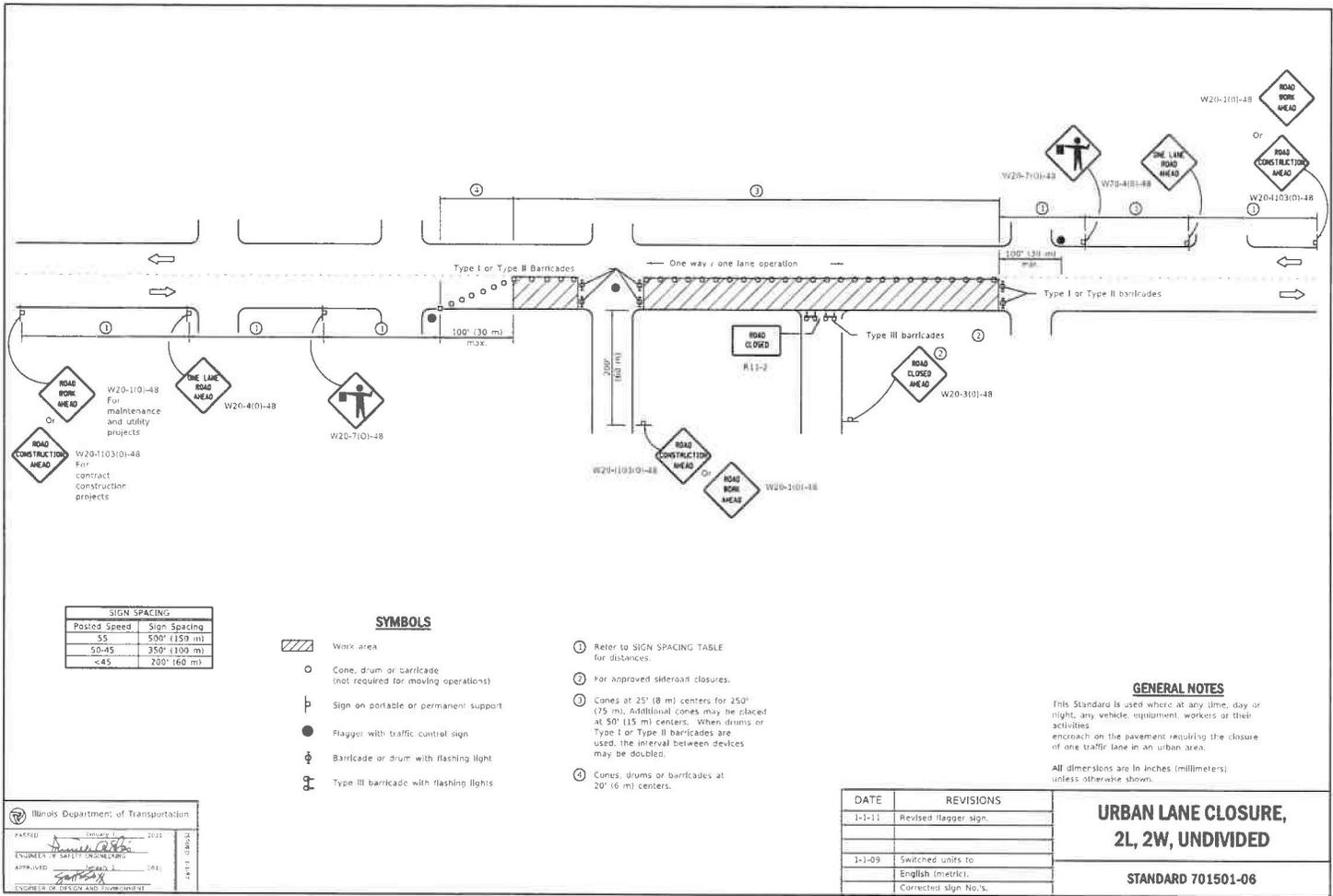
-  Arrow board (Hazard Made only)
-  Truck with headlights, emergency flashers and flashing amber light (visible from all directions)
-  18x18 (450x450) min. orange flag (use when guide wheel is used)
-  Truck mounted attenuator

GENERAL NOTES
 This Standard is used where any vehicle, equipment, workers or their activities will require a continuous moving operation where the average speed is greater than 3 mph (5 km/h).
 For shoulder operations not encroaching on the pavement, use DETAIL A, Standard 701426.
 All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
 PREPARED BY: [Signature] 2/09
 ENGINEER OPERATIONS: [Signature] 2/09
 APPROVED BY: [Signature] 2/09
 STANDARD 701311-03

DATE	REVISIONS
1-1-09	Switched units to English (metric). Omitted Pass With Care sign.
1-1-00	Elim. speed restrictions in Standard title.

LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
 STANDARD 701311-03



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-55	350' (100 m)
<45	200' (60 m)

- SYMBOLS**
- Work area
 - Cone, drum or barricade (not required for moving operations)
 - Sign on portable or permanent support
 - Flagger with traffic control sign
 - Barricade or drum with flashing light
 - Type III barricade with flashing lights

- ① Refer to SIGN SPACING TABLE for distances.
- ② For approved skidroad closures.
- ③ Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- ④ Cones, drums or barricades at 20' (6 m) centers.

GENERAL NOTES

This Standard is used where, at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement resulting the closure of one traffic lane in an urban area.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PROJECT: _____ DATE: 2/22/11

ENGINEER OF SAFETY ENGINEERING: _____

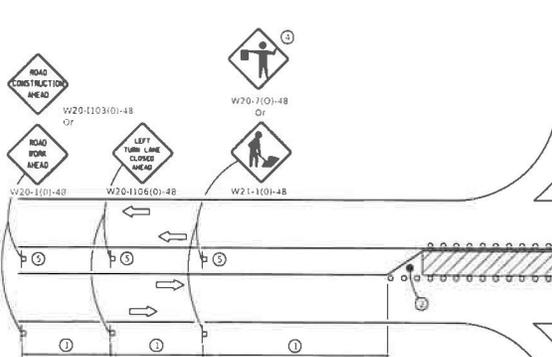
APPROVED: _____ DATE: 2/22/11

SUPERVISOR OF DESIGN AND CONSTRUCTION: _____

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to English (metric).
	Corrected sign No.'s.

URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED

STANDARD 701501-06



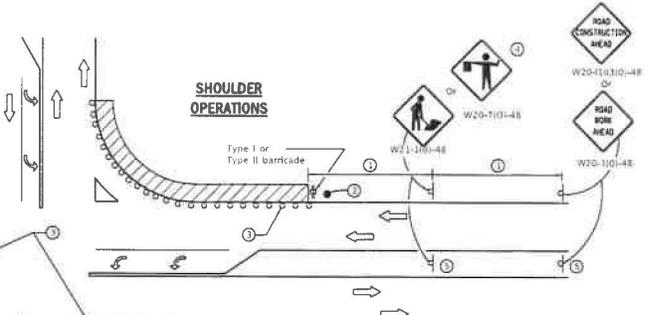
LEFT TURN LANE OR CENTER MEDIAN OPERATIONS

- ① Refer to SIGN SPACING TABLE for distance.
- ② Required for speed > 40 mph.
- ③ Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- ④ Use flagger sign only when flagger is present.
- ⑤ Omit this sign when median is less than 10' (3 m) or for bi-directional turn lanes.
- ⑥ Cones, drums or barricades at 20' (6 m) centers in taper.
- ⑦ Advanced arrow board required for speeds > 45 mph.
- ⑧ Three Type II barricades, drums or vertical barricades at 50' (15 m) centers.

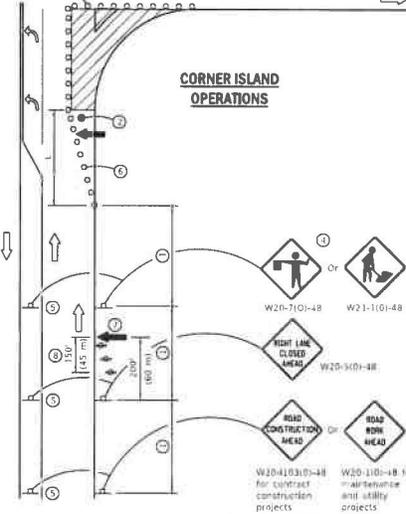
SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	375' (110 m)
<45	300' (90 m)

SYMBOLS

- Work area
- Cone, drum or barricade
- Sign on portable or permanent support
- Arrow board
- Barricade or drum with flashing light
- Flagger with traffic control sign



CORNER ISLAND OPERATIONS



GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement during shoulder operations or where construction requires lane closures in an urban area.

Calculate L as follows:

SPEED LIMIT

40 mph (70 km/h) or less:
 $L = \frac{WS}{60}$

45 mph (80 km/h) or greater:
 $L = (W)(S)$

W = Width of offset in feet (meters).
 S = Normal posted speed mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

FORMULAS

English	(Metric)
$L = \frac{WS}{60}$	$L = \frac{WS}{150}$
$L = (W)(S)$	$L = 0.65(W)(S)$

Illinois Department of Transportation

DATE: Sept 1, 2014

ENGINEER OF SAFETY ENGINEERING: [Signature]

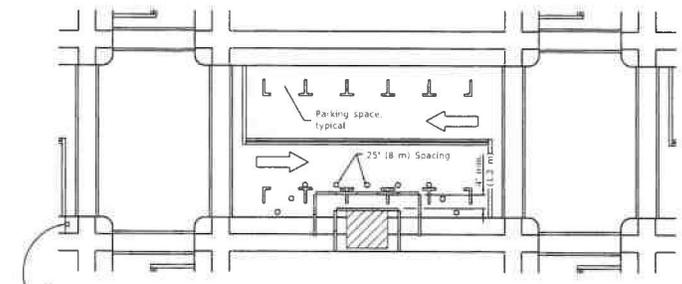
APPROVED: [Signature]

ENGINEER OF DESIGN AND ENVIRONMENT: [Signature]

DATE	REVISIONS
4-1-16	Corrected sign number for LEFT TURN LANE CLOSED AHEAD.
1-1-14	Added devices at arrow board upstream from taper.
	Rev. workers sign number.

URBAN LANE CLOSURE, MULTILANE INTERSECTION

STANDARD 701701-10

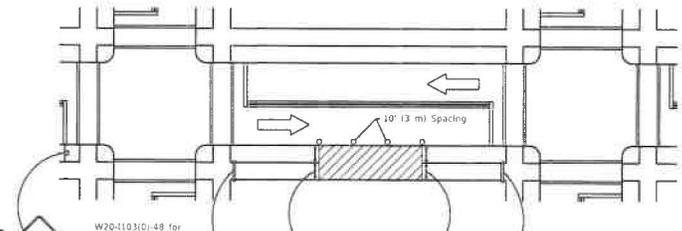


W20-110(310)-48 for contract construction projects



W20-101-48 for maintenance and utility projects

SIDEWALK DIVERSION



W20-110(310)-48 for contract construction projects



W20-101-48 for maintenance and utility projects

R11-1102-2430

SIDEWALK CLOSED

R11-1101-2410

R11-1102-2430

SIDEWALK CLOSURE

- SYMBOLS**
- Work area
 - Sign on portable or permanent support
 - Barricade or drum
 - Cone, drum or barricade
 - Type III barricade
 - Detectable pedestrian channelizing barricade

① Omit whenever duplicated by road work traffic control.

GENERAL NOTES

This Standard is used where, at any time, pedestrian traffic must be rerouted due to work being performed.

This Standard must be used in conjunction with other Traffic Control & Protection Standards when roadway traffic is affected.

Temporary facilities shall be detectable and accessible.

The temporary pedestrian facilities shall be positioned as shown in "ROAD CLOSED TO ALL TRAFFIC" detail on Standard 701901.

The SIDEWALK CLOSED USE OTHER SIDE sign shall be placed at the nearest crosswalk or intersection to each end of the closure. Where the closure occurs at a corner, the signs shall be erected on the corners across the street from the closure. The SIDEWALK CLOSED signs shall be used at the ends of the actual closures.

Type III barricades and R11-2-4830 signs shall be positioned as shown in "ROAD CLOSED TO ALL TRAFFIC" detail on Standard 701901.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PROJECT: _____ DATE: _____

ENGINEER OF SAFETY ENGINEERING: _____

APPROVED: _____ DATE: _____

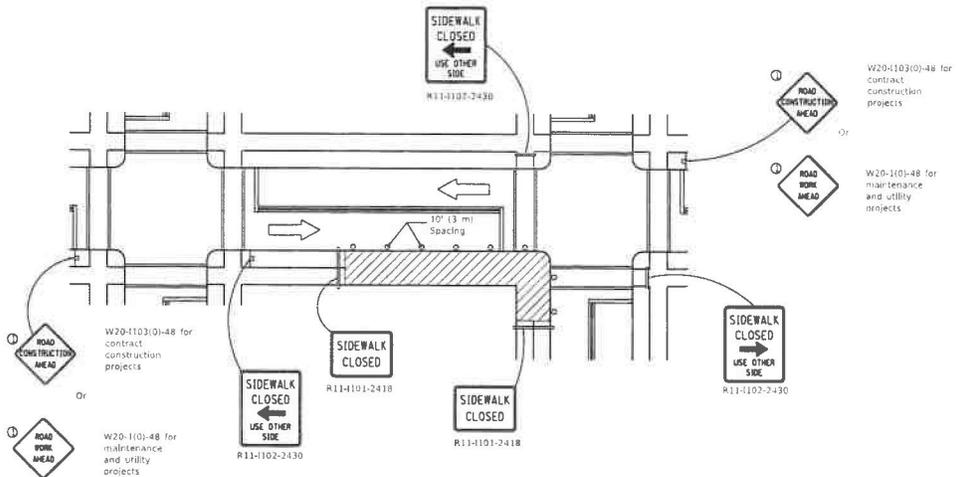
DIVISION OF DESIGN AND CONSTRUCTION

DATE	REVISIONS
4-1-16	Omitted orange safety fence from standard as this is covered in the std. spec.
1-1-12	Added SIDEWALK DIVERSION.
	Modified appearance of plan views. Renamed Std.

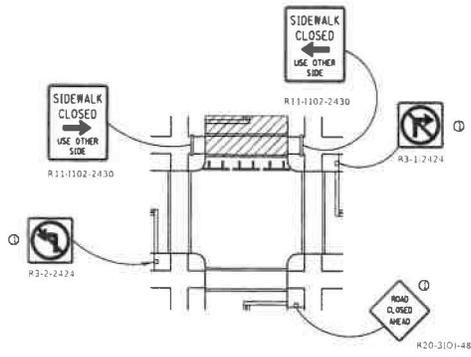
SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 1 of 2)

STANDARD 701801-06



CORNER CLOSURE



CROSSWALK CLOSURE

SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 2 of 2)

STANDARD 701801-06

Illinois Department of Transportation

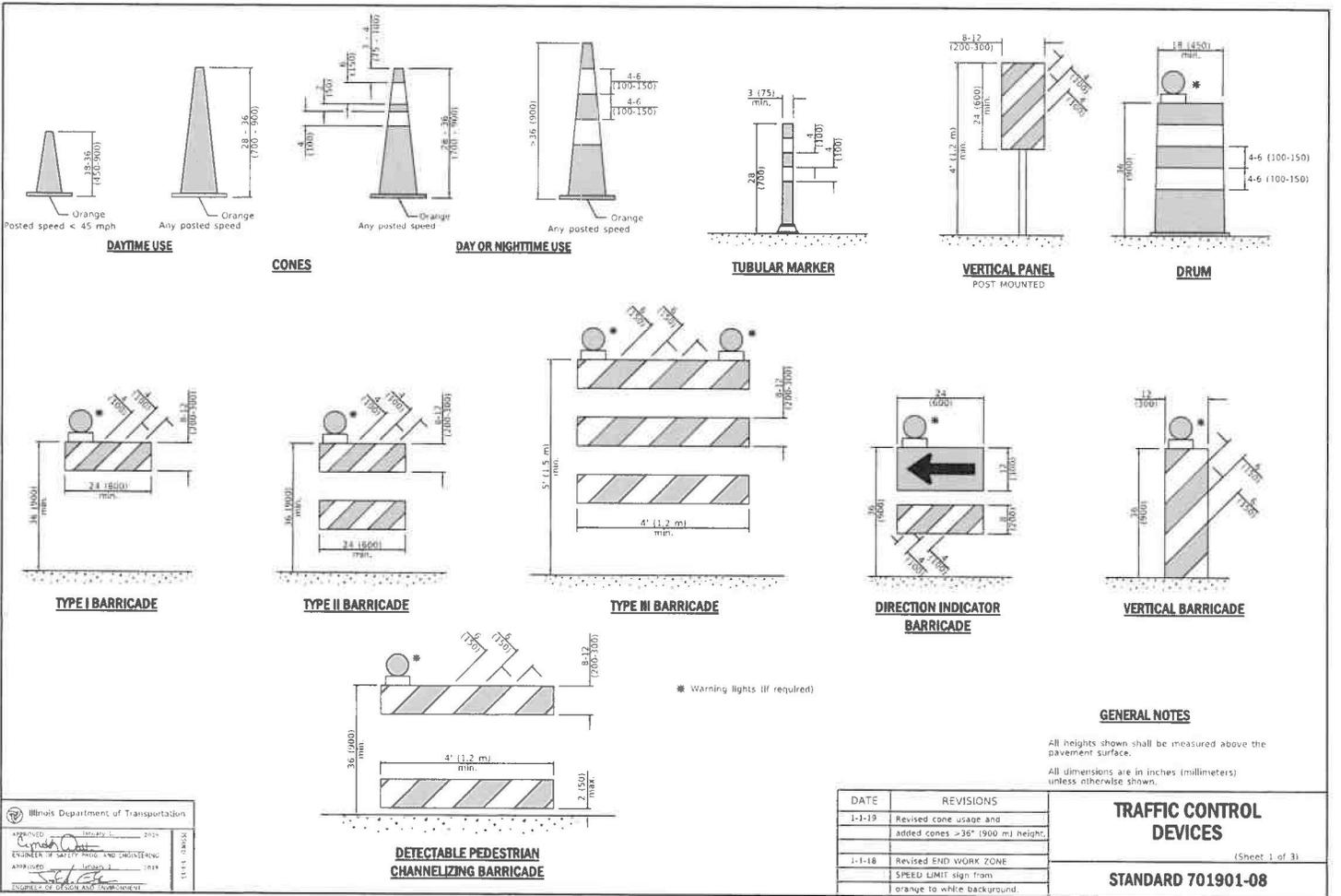
DATE: _____ 2014

ENGINEER OF SAFETY ENGINEERING

APPROVED: _____

PROJECT NUMBER: _____

PRIORITY OF PROJECT AND FUNDING SOURCE: _____



GENERAL NOTES

All heights shown shall be measured above the pavement surface.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-19	Revised cone usage and added cones >36" (900 mm) height.
1-1-18	Revised END WORK ZONE SPEED LIMIT sign from orange to white background.

TRAFFIC CONTROL DEVICES

(Sheet 1 of 3)

STANDARD 701901-08

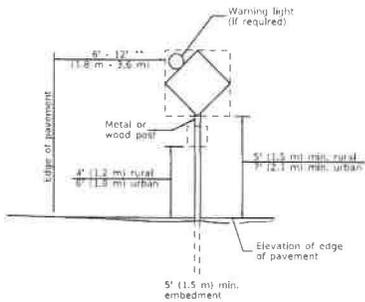
Illinois Department of Transportation

APPROVED: [Signature] 2019

ENGINEER OF SAFETY, PLANS AND ENGINEERING

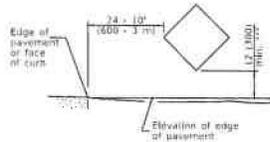
APPROVED: [Signature] 2019

INSPECTOR OF DESIGN AND CONSTRUCTION



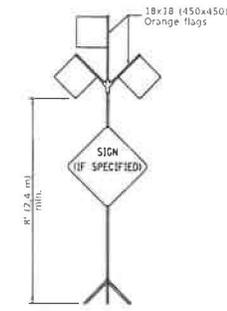
POST MOUNTED SIGNS

** When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.



SIGNS ON TEMPORARY SUPPORTS

*** When work operations exceed four days, this dimension shall be 5' (1.5 m) min. If located behind other devices, the height shall be sufficient to be seen completely above the devices.



HIGH LEVEL WARNING DEVICE

ROAD CONSTRUCTION NEXT X MILES

G20-1104(0)-6036

END CONSTRUCTION

G20-1105(0)-6024

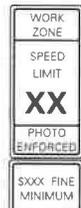
This signing is required for all projects 2 miles (3200 m) or more in length.

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 900' (150 m) in advance of project limits.

END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).

Dual sign displays shall be utilized on multi-lane highways.

WORK LIMIT SIGNING



W21-1115(0)-3618

R2-1-3648

R10-1108j-3618 ****

R2-1106p-3618

Sign assembly as shown on Standards or as allowed by District Operations.



G20-1103-6036

This sign shall be used when the above sign assembly is used.

HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

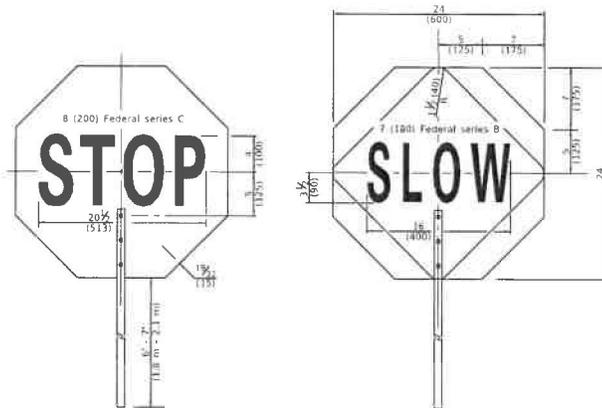
**** R10-1108j shall only be used along roadways under the jurisdiction of the State.



W12-1103-4848

WIDTH RESTRICTION SIGN

XX'-XX" width and X miles are variable.



FRONT SIDE

REVERSE SIDE

FLAGGER TRAFFIC CONTROL SIGN

Illinois Department of Transportation

DESIGNED: January 1, 2010

DESIGNED BY: [Signature]

APPROVED: [Signature]

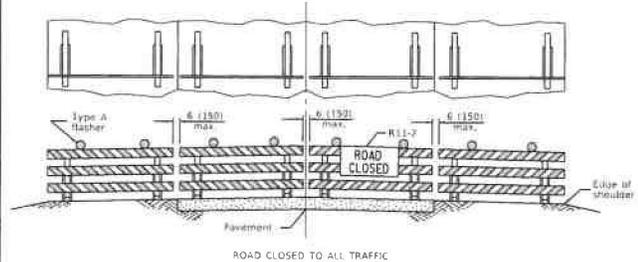
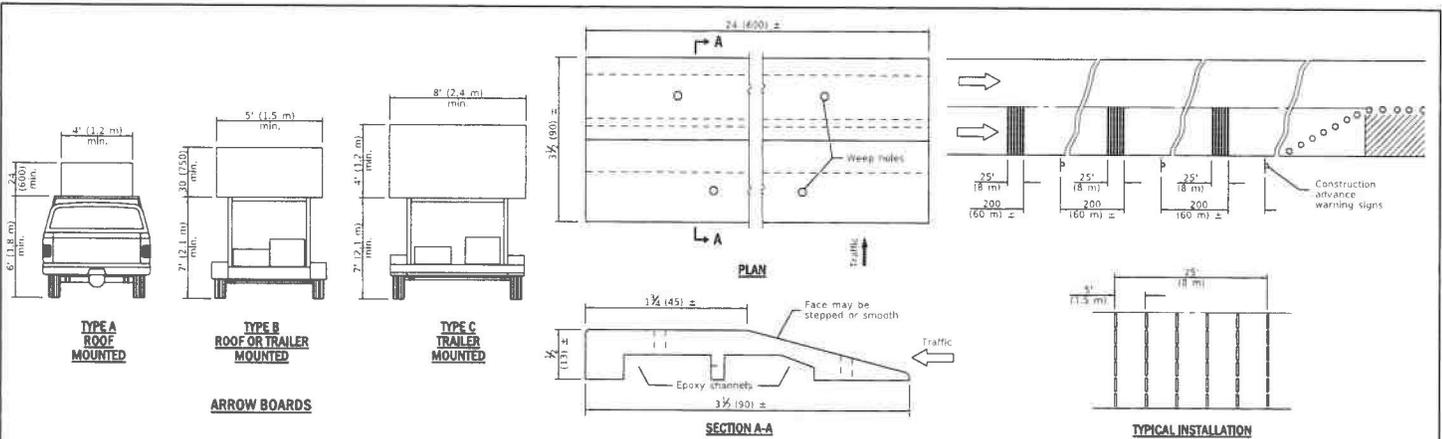
DATE: 08/12

STANDARD: 701901-08

TRAFFIC CONTROL DEVICES

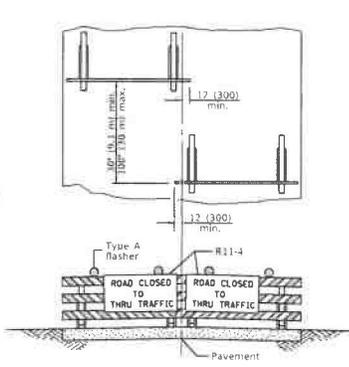
(Sheet 2 of 3)

STANDARD 701901-08



ROAD CLOSED TO ALL TRAFFIC

ReflectORIZED striping may be omitted on the back side of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the sign may be mounted on an NCHRP 350 temporary sign support directly in front of the barricade.



ROAD CLOSED TO THRU TRAFFIC

ReflectORIZED striping shall appear on both sides of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the signs may be modified on NCHRP 350 temporary sign supports directly in front of the barricade.

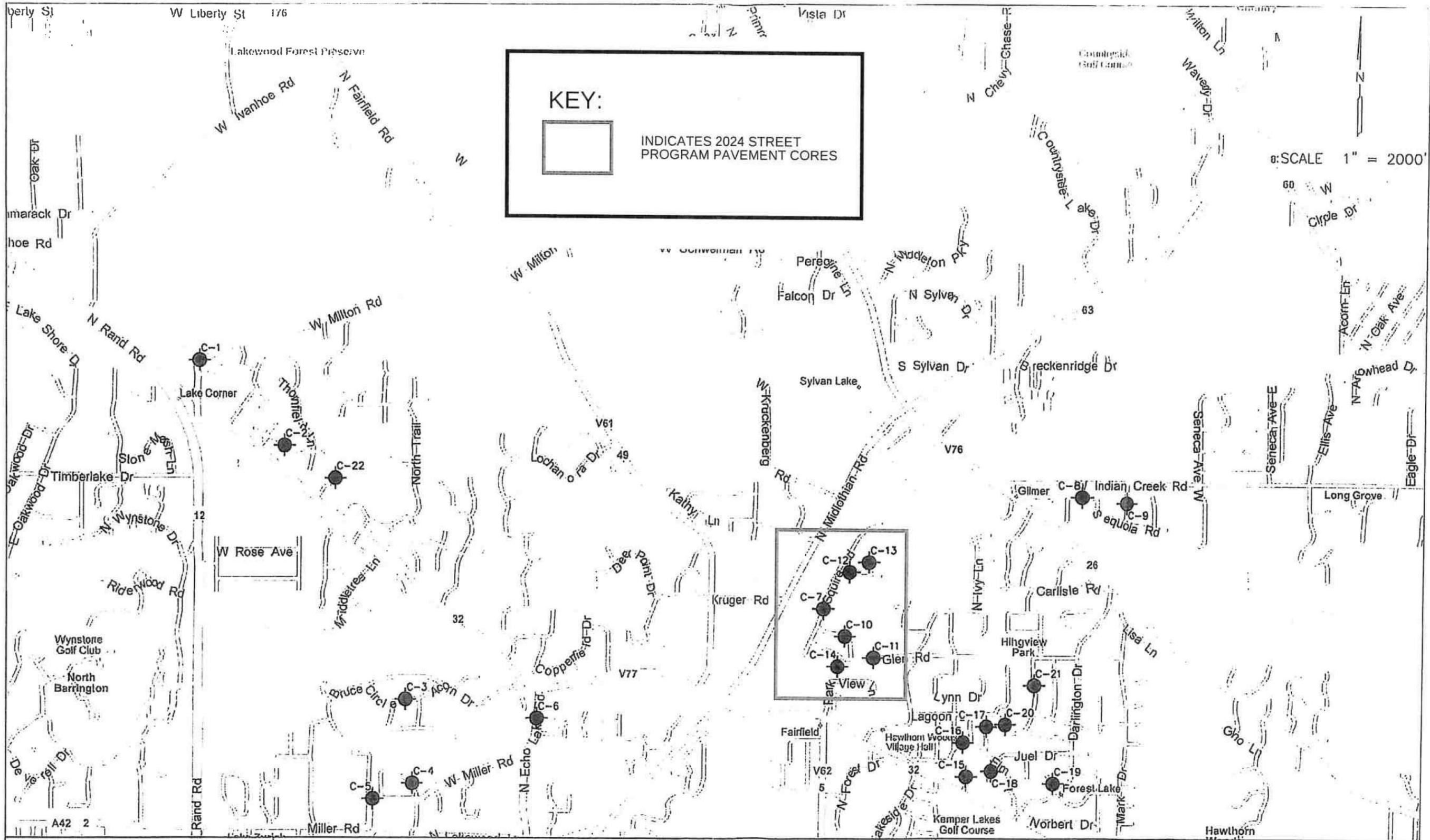
TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

Illinois Department of Transportation	
APPROVED	DESIGNED
DATE	DATE
BY	BY
FOR	FOR

TRAFFIC CONTROL DEVICES

(Sheet 3 of 3)

STANDARD 701901-08



KEY:

INDICATES 2024 STREET PROGRAM PAVEMENT CORES

SCALE 1" = 2000'



LEGEND

CORE LOCATION

CORE LOCATION PLAN
 SPECIAL SERVICE AREA PROJECT
 HAWTHORN WOODS, ILLINOIS

TSC TESTING SERVICE CORPORATION
 457 EAST GUNDERSEN DRIVE
 CAROL STREAM, ILLINOIS 60188

DRAWN BY: TRP	PAGE NO. 1 OF 1
CHECKED BY: DPD	
JOB NO. : L-79,472	
DATE: 12-17-12	

Local Public Agency Formal Contract

Contractor's Name

Campanella & Sons, Inc.

Contractor's Address

39207 Magnetics Blvd. PO Box 32

City

Wadsworth

State

IL

Zip Code

60083

STATE OF ILLINOIS

Local Public Agency

Hawthorn Woods

County

Lake

Section Number

N/A

Street Name/Road Name

Indian Creek Road Culvert Replacement/Streambank Stabilization

Type of Funds

Local

CONTRACT BOND (when required)

NOT AN IDOT PROJECT

Local Public Agency Hawthorn Woods	Local Street/Road Name Indian Creek Road Culvert Replacement/ Streambank Stabilization	County Lake	Section Number N/A
--	--	-----------------------	------------------------------

1. THIS AGREEMENT, made and concluded the _____ day of _____ between the _____ of _____, known as the party of the first part, and **Campanella & Sons, Inc.**, its successor, and assigns, known as the party of the second part.

2. For and in consideration of the payments and agreements mentioned in the Proposal hereto attached, to be made and performed by the party of the first part, and according to the terms expressed in the Bond referring this contract, the party of the second part agrees with said party of the first part, at its own proper cost and expense, to do all the work, furnish all materials and all labor necessary to complete the work in accordance with the plans and specifications hereinafter described, and in full compliance with all of the terms of this contract.

3. It is also understood and agreed that the LPA Formal Contract Proposal, Special Provisions, Affidavit of Illinois Business Office, Apprenticeship or Training Program Certification, and Contract Bond hereto attached, and the Plans for Section **N/A** in **Hawthorn Woods**, approved by the Illinois Department of Transportation on _____, are essential documents of this contract and are a part hereof.

4. IN WITNESS WHEREOF, the said parties have executed this contract on the date above mentioned.

Attest: The _____ of _____

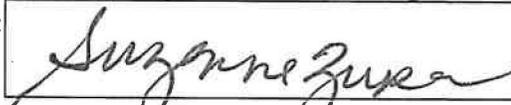
Clerk Signature & Date

(SEAL, if required by the LPA)

Party of the First Part Signature & Date
 By:

(If a Corporation)

Corporate Name
Campanella & Sons, Inc.

President, Party of the Second Part Signature & Date
 By: 

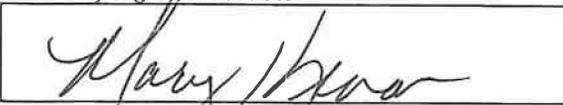
(If a Limited Liability Corporation)

(SEAL, if required by the LPA)

LLC Name

Manager or Authorized Member, Party of the Second Part
 By:

(If a Partnership)

Attest:
 Secretary Signature & Date


(SEAL, if required by the LPA)

Partner Signature & Date

Partner Signature & Date

Partners doing Business under the firm name of
 Party of the Second Part

(If an individual)

Party of the Second Part Signature & Date

Contract Bond

Local Public Agency	County	Street Name/Road Name	Section Number
Village of Hawthorn Woods	Lake	Indian Creek Road	N/A

Bond information to be returned to Local Public Agency at 2 Lagoon Dr., Hawthorn Woods, IL 60047
Complete Address

We, Campanella & Sons, Inc., 39207 N. Magnetics Blvd. PO Box 32, Wadsworth, IL 60083
Contractor's Name and Address

a/an Corporation organized under the laws of the State of Delaware as PRINCIPAL, and
State

Cincinnati Insurance Company 6200 S. Gilmore Rd. Fairfield, OH. 45014
Surety Name and Address

as SURETY, are held and firmly bound unto the above Local Public Agency (hereafter referred to as "LPA") in the penal sum of
Six Hundred Eighty Three Thousand Six Hundred Five Dollars and Zero Cents

Dollars (\$683,605.00) lawful money of the United States, to be paid to said LPA, the payment of which we bind ourselves, successors and assigns jointly to pay to the LPA this sum under the conditions of this instrument.

WHEREAS, THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that the said Principal has entered into a written contract with the LPA acting through its awarding authority for the construction of work on the above sections, which contract is hereby referred to and made a part hereof, as if written herein at length, and whereby the said Principal has promised and agreed to perform said work in accordance with the terms of said contract, and has promised to pay all sums of money due for any labor, materials, apparatus, fixtures or machinery furnished to such Principal for the purpose of performing such work and has further agreed to pay all direct and indirect damages to any person, firm, company or corporation to whom any money may be due from the Principal, subcontractor or otherwise for any such labor, materials, apparatus, fixtures or machinery so furnished and that suit may be maintained on such bond by any such person, firm, company or corporation for the recovery of any such money.

NOW, THEREFORE, if the said Principal shall perform said work in accordance with the terms of said contract, and shall pay all sums of money due or to become due for any labor, materials, apparatus, fixtures or machinery furnished to it for the purpose of constructing such work, and shall commence and complete the work within the time prescribed in said contract, and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on account of such work during the time of the performance thereof and until the said work shall have been accepted, and shall hold the LPA and its awarding authority harmless on account of any such damages and shall in all respects fully and faithfully comply with all the provisions, conditions and requirements of said contract, then this obligation shall be void; otherwise it shall remain in full force and effect.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective agents this 13th day of August, 2024.
Day Month and Year

PRINCIPAL

Company Name
Campanella & Sons, Inc.

Company Name

By
Signature & Date
Suzanne Zupic

By
Signature & Date

Attest
Signature & Date
Mary Hensel

Attest
Signature & Date

(If PRINCIPAL is a joint venture of two or more contractors, the company names and authorized signature of each contractor must be affixed.)

STATE OF IL
COUNTY OF Lake

I, Laura Hartness, a Notary Public in and for said county, do hereby certify that
Notary Name

Suzanne Zupec and Mary Kenar

Insert name of individuals signing on behalf of PRINCIPAL

who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of PRINCIPAL, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this 13th day of August, 2024.
Day Month, Year



Notary Public Signature & Date

Laura L Hartness
Date commission expires 4-11-2028

SURETY

Name of Surety

Cincinnati Insurance Company

Title Andrew J. Condon/Attorney in Fact

By: [Signature]

STATE OF IL
COUNTY OF Lake

I, Laura Hartness, a Notary Public in and for said county, do hereby certify that
Notary Name

Andrew J. Condon

Insert name of individuals signing on behalf of SURETY

who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of SURETY, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this 13th day of August, 2024.
Day Month, Year



Notary Public Signature & Date

Laura L Hartness
Date commission expires 4-11-2028

Approved this 27th day of August 2024.
Day Month, Year

Attest:

Local Public Agency Clerk Signature & Date

Dona Roberto

Village Clerk
Local Public Agency Type

Awarding Authority

[Signature]

Awarding Authority Signature & Date

[Signature] 8/27/24

THE CINCINNATI INSURANCE COMPANY
THE CINCINNATI CASUALTY COMPANY

Fairfield, Ohio

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That THE CINCINNATI INSURANCE COMPANY and THE CINCINNATI CASUALTY COMPANY, corporations organized under the laws of the State of Ohio, and having their principal offices in the City of Fairfield, Ohio (herein collectively called the "Companies"), do hereby constitute and appoint

James W. Leech; Michael K. Best; Kelly R. Eccles; Andrew J. Condon and/or Laura L. Hartness December

of Zion, Illinois

their true and legal Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and deliver on behalf of the Companies as Surety, any and all bonds, policies, undertakings or other like instruments, as follows:

Any such obligations in the United States, up to
Fifteen Million and No/100 Dollars (\$15,000,000.00).

This appointment is made under and by authority of the following resolutions adopted by the Boards of Directors of The Cincinnati Insurance Company and The Cincinnati Casualty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the President or any Senior Vice President be hereby authorized, and empowered to appoint Attorneys-in-Fact of the Company to execute any and all bonds, policies, undertakings, or other like instruments on behalf of the Corporation, and may authorize any officer or any such Attorney-in-Fact to affix the corporate seal; and may with or without cause modify or revoke any such appointment or authority. Any such writings so executed by such Attorneys-in-Fact shall be binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company.

RESOLVED, that the signature of the President or any Senior Vice President and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Secretary or Assistant Vice-President and the Seal of the Company may be affixed by facsimile to any certificate of any such power and any such power of certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certified by certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, continue to be valid and binding on the Company.

IN WITNESS WHEREOF, the Companies have caused these presents to be sealed with their corporate seals, duly attested by their President or any Senior Vice President this 16th day of March, 2021.



STATE OF OHIO)SS:
COUNTY OF BUTLER)

THE CINCINNATI INSURANCE COMPANY
THE CINCINNATI CASUALTY COMPANY

Stephen A. Vestre

On this 16th day of March, 2021 before me came the above-named President or Senior Vice President of The Cincinnati Insurance Company and The Cincinnati Casualty Company, to me personally known to be the officer described herein, and acknowledged that the seals affixed to the preceding instrument are the corporate seals of said Companies and the corporate seals and the signature of the officer were duly affixed and subscribed to said instrument by the authority and direction of said corporations.



Keith Collett

Keith Collett, Attorney at Law
Notary Public – State of Ohio
My commission has no expiration date.
Section 147.03 O.R.C.

I, the undersigned Secretary or Assistant Vice-President of The Cincinnati Insurance Company and The Cincinnati Casualty Company, hereby certify that the above is the Original Power of Attorney issued by said Companies, and do hereby further certify that the said Power of Attorney is still in full force and effect.

Given under my hand and seal of said Companies at Fairfield, Ohio, this 13th day of August, 2024



Ed H

STATE OF IL
COUNTY OF Lake

I, Laura Hartness, a Notary Public in and for said county, do hereby certify that
Notary Name

Suzanne Zupec and Mary Kenar

Insert name of Individuals signing on behalf of PRINCIPAL

who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of PRINCIPAL, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this 13th day of August, 2024 .
Day Month, Year



Notary Public Signature & Date

Laura L Hartness

Date commission expires 4-11-2028

SURETY

Name of Surety

Cincinnati Insurance Company

Title Andrew J. Condon/Attorney in Fact

By: [Signature]

STATE OF IL
COUNTY OF Lake

I, Laura Hartness, a Notary Public in and for said county, do hereby certify that
Notary Name

Andrew J. Condon

Insert name of Individuals signing on behalf of SURETY

who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of SURETY, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this 13th day of August, 2024 .
Day Month, Year



Notary Public Signature & Date

Laura L. Hartness

Date commission expires 4-11-2028

Approved this _____ day of _____ Month, Year

Attest:

Local Public Agency Clerk Signature & Date

[Signature Box]

[Signature Box] Clerk
Local Public Agency Type

Awarding Authority

[Signature Box]

Awarding Authority Signature & Date

[Signature Box]

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Village of Hawthorn Woods	Lake	N/A	Indian Creek Road Culvert Replacement/ Streambank Stabilization

NOTICE TO BIDDERS

Sealed proposals for the project described below will be received at the office of Village Hall

 Name of Office
 2 Lagoon Dr., Hawthorn Woods, IL 60047 until 10:00 AM on 05/15/24

 Address Time Date

Sealed proposals will be opened and read publicly at the office of Village Hall

 Name of Office
 2 Lagoon Dr., Hawthorn Woods, IL 60047 at 10:00 AM on 05/15/24

 Address Time Date

DESCRIPTION OF WORK

Location	Project Length
Base Bid: STA. 54+00-55+00 Alt 1 Bid: 250' West of Proposed Box Culvert	100' (0.02 MI)

Proposed Improvement

Base Bid:

Resurfacing: Scope includes Pavement Removal and replacement with HMA Surface Course 2", HMA Binder Course 8", Aggregate Base Course, Type B 6", along with installation of PCC Shoulders, 9", raised reflective pavement marker removal and replacement, pavement striping, and any necessary restoration.

Reinforced Concrete Box Culvert Installation: The scope of the project will include replacement of the existing 80-inch Corrugated Metal Pipe (CMP) culvert under Indian Creek Road. The proposed culvert crossing will be a 12'x6'Reinforced Concrete Box Culvert (RCBC) with a precast end section and wingwalls with an 8-inch-thick concrete wall. Along each side of the roadway and tied into the culvert headwall would be a barrier wall.

Streambank Stabilization (East End): The location for the Base Bid is the east end of the project in the area adjacent to the proposed box culvert. The scope for the soil, erosion, and sediment control of this location of the project includes tree removal and installation of silt fences. The proposed stabilization technique is installation of native prairie vegetation along with topsoil, seeding, erosion control blanket, and installation of riprap.

Alternate 1 Bid:

Streambank Stabilization (West End): The location for the Alternate 1 Bid is the west end of the project at the hairpin meander approximately 250 feet west of the proposed box culvert shown on the plans. The scope for the soil, erosion, and sediment control of this location of the project includes tree removal and installation of silt fences. The scope for the streambank stabilization of the west location of the project includes stabilizing the meander by installing gabion baskets which will range from 7.5 feet above the water at the west side to 1.5 feet at the east side. The scope also includes installation of native prairie vegetation above the wall.

1. Plans and proposal forms will be available in the office of

 The Bidding Documents can be downloaded from QuestCDN via the Christopher B. Burke Engineering Ltd. (CBBEL) website <http://cbbel.com/bidding-info/> or at www.questcdn.com under Login using QuestCDN# 8990748 for a non-refundable charge of \$40.00.

2. Prequalification
 If checked, the 2 apparent as read low bidders must file within 24 hours after the letting an "Affidavit of Availability" (Form BC 57) in triplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work. One original shall be filed with the Awarding Authority and two originals with the IDOT District Office.
3. The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special

Provision for Bidding Requirements and Conditions for Contract Proposals.

4. The following BLR Forms shall be returned by the bidder to the Awarding Authority:
 - a. Local Public Agency Formal Contract Proposal (BLR 12200)
 - b. Schedule of Prices (BLR 12201)
 - c. Proposal Bid Bond (BLR 12230) (if applicable)
 - d. Apprenticeship or Training Program Certification (BLR 12325) (do not use for project with Federal funds.)
 - e. Affidavit of Illinois Business Office (BLR 12326) (do not use for project with Federal funds)
5. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the 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 hereinafter provided.
6. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case, be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.
7. The bidder shall take no advantage of any error or omission in the proposal and advertised contract.
8. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Agency and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Awarding Authority is used, it shall be marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Awarding Authority at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.
9. Permission will be given to a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Village of Hawthorn Woods	Lake	N/A	Indian Creek Road Culvert Replacement/ Streambank Stabilization

PROPOSAL

1. Proposal of Campanella & Sons, Inc.

Contractor's Name

39207 N Magnetics Blvd PO Box 32 Wadsworth, IL 60083

Contractor's Address
2. The plans for the proposed work are those prepared by Christopher B. Burke Engineering Ltd.
 and approved by the Department of Transportation on _____.
3. The specifications referred to herein are those prepared by the Department of Transportation and designated as "Standard Specifications for Road and Bridge Construction" and the " Supplemental Specifications and Recurring Special Provisions" thereto, adopted and in effect on the date of invitation for bids.
4. The undersigned agrees to accept, as part of the contract, the applicable Special Provisions indicated on the "Check Sheet for Recurring Special Provisions" contained in this proposal.
5. The undersigned agrees to complete the work _____ by 10/18/24 unless additional time is granted in accordance with the specifications.
6. The successful bidder at the time of execution of the contract Will be required to deposit a contract bond for the full amount of _____

Schedule of Prices



Contractor's Name
Campanella & Sons, Inc.

Contractor's Address
39207 N Magnetics Blvd PO Box 32

City
Wadsworth

State
IL

Zip Code
60083

Local Public Agency
Village of Hawthorn Woods

County
Lake

Section Number
N/A

Route(s) (Street/Road Name)
Indian Creek Road Box Culvert/Streambank Stabilization

Schedule for Multiple Bids		
Combination Letter	Section Included in Combinations	Total

Schedule for Base Bid
 (For complete information covering these items, see plans and specifications.)

Item Number	Items	Unit	Quantity	Unit Price	Total
20100110	TREE REMOVAL	ACRE	0.15	36,000.00	5,400.00
20700220	POROUS GRANULAR EMBANKMENT	CU YD	280	115.00	29,900.00
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	750	14.00	10,500.00
25000100	SEEDING, CLASS 1	ACRE	0.15	8,000.00	1,200.00
25100630	EROSION CONTROL BLANKET	SQ YD	750	2.20	1,650.00
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	25	9.00	225.00
28100107	STONE RIPRAP, CLASS A4	CU YD	20	475.00	9,500.00
28100109	STONE RIPRAP, CLASS A5	CU YD	10	390.00	3,900.00
28400100	GABIONS	CU YD	20	1,385.00	27,700.00
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	240	29.00	6,960.00
40600280	BITUMINOUS MATERIALS (TACK COAT)	POUND	170	5.00	850.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	120	150.00	18,000.00
40604080	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	30	325.00	9,750.00
44000100	PAVEMENT REMOVAL 9"	SQ YD	240	25.00	6,000.00
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	1,500.00	3,000.00
50105220	PIPE CULVERT REMOVAL	FOOT	38	90.00	3,420.00
50200100	STRUCTURE EXCAVATION	CU YD	530	45.00	23,850.00
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	22,000.00	44,000.00
54011208	PRECAST CONCRETE BOX CULVERTS 12' X 6'	FOOT	48	2,405.00	115,440.00
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	340	34.00	11,560.00
63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	32	220.00	7,040.00
63200310	GUARDRAIL REMOVAL	FOOT	340	8.00	2,720.00
67100100	MOBILIZATION	LSUM	1	74,000.00	74,000.00
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	60	10.00	600.00
78000200	THERMOPLASTIC PAVEMENT MARKING - 4"	FOOT	225	18.00	3,600.00
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	4	1,000.00	4,000.00
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	4	50.00	200.00
K1004572	PRAIRIE SEEDING (SPECIAL)	ACRE	0.15	8,000.00	1,200.00
X1200274	TEMPORARY BYPASS PUMPING SYSTEM	L SUM	1	15,000.00	15,000.00
X7010218	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	32,000.00	32,000.00
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	4,500.00	4,500.00
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	120	12.00	1,440.00
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	3	3,500.00	10,500.00
NA	CHANNEL BANK FILL (SLOPE REPAIR)	CU YD	5	350.00	1,750.00
NA	CONCRETE RIBBON REMOVAL AND REPLACEMENT	FOOT	200	80.00	16,000.00
NA	COFFERDAMS, SEDIMENT FILTER BAG AND DEWATERING	L SUM	1	22,000.00	22,000.00
NA	SILT FENCE	FOOT	100	6.00	600.00
NA	ITEMS ORDERED BY THE ENGINEER	DOLLAR	25000	\$ 1.00	\$ 25,000.00
Bidder's Base Bid Total Proposal					554,955.00

- Each pay item should have a unit price and a total price.
- If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern.
- If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
- A bid may be declared unacceptable if neither a unit price or total price is shown.

WRITTEN: Five hundred fifty four thousand, nine hundred fifty-five dollars and zero cents

Schedule of Prices



Contractor's Name
Campanella & Sons, Inc.

Contractor's Address
39207 N Magnetics Blvd PO Box 32

City
Wadsworth

State Zip Code
IL 160083

Local Public Agency
Village of Hawthorn Woods

County
Lake

Section Number
N/A

Route(s) (Street/Road Name)
Indian Creek Road Box Culvert/Streambank Stabilization

Schedule for Multiple Bids		
Combination Letter	Section Included in Combinations	Total

Schedule for Alternate 1 Bid
 (For complete information covering these items, see plans and specifications.)

Item Number	Items	Unit	Quantity	Unit Price	Total
20100110	TREE REMOVAL	ACRE	0.25	36,000.00	9,000.00
20300100	CHANNEL BANK EXCAVATION	CU YD	200	80.00	16,000.00
20700220	POROUS GRANULAR EMBANKMENT	CU YD	260	115.00	29,900.00
21101825	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	750	14.00	10,500.00
25000100	SEEDING, CLASS 1	ACRE	0.25	8,000.00	2,000.00
25100630	EROSION CONTROL BLANKET	SQ YD	750	2.20	1,650.00
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	25	9.00	225.00
28100107	STONE RIPRAP, CLASS A4	CU YD	20	475.00	9,500.00
28100109	STONE RIPRAP, CLASS A5	CU YD	10	390.00	3,900.00
28400100	GABIONS	CU YD	90	1,300.00	108,000.00
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	240	29.00	8,960.00
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	170	5.00	850.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	120	150.00	18,000.00
40604080	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	30	325.00	9,750.00
44000100	PAVEMENT REMOVAL 8"	SQ YD	240	25.00	6,000.00
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	1,500.00	3,000.00
50105220	PIPE CULVERT REMOVAL	FOOT	38	90.00	3,420.00
50200100	STRUCTURE EXCAVATION	CU YD	530	45.00	23,850.00
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	22,000.00	44,000.00
54011206	PRECAST CONCRETE BOX CULVERTS 12' X 6'	FOOT	48	2,405.00	115,440.00
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	340	34.00	11,560.00
63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	32	220.00	7,040.00
63200310	GUARDRAIL REMOVAL	FOOT	340	8.00	2,720.00
67100100	MOBILIZATION	LSUM	1	74,000.00	74,000.00
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	60	10.00	600.00
78000200	THERMOPLASTIC PAVEMENT MARKING - 4"	FOOT	225	16.00	3,600.00
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	4	1,000.00	4,000.00
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	4	50.00	200.00
K1004572	PRAIRIE SEEDING (SPECIAL)	ACRE	0.25	8,000.00	2,000.00
X1200274	TEMPORARY BYPASS PUMPING SYSTEM	L SUM	1	15,000.00	15,000.00
X7010218	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	32,000.00	32,000.00
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	4,500.00	4,500.00
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	120	12.00	1,440.00
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	3	3,500.00	10,500.00
NA	CHANNEL BANK FILL (SLOPE REPAIR)	CU YD	15	350.00	5,250.00
NA	RIPRAP BANK PROTECTION	TON	10	500.00	5,000.00
NA	FLOATING SILT CURTAIN	FOOT	80	45.00	3,600.00
NA	BANK STABILIZATION WITH EROSION CONTROL BLANKET	SQ YD	200	25.00	5,000.00
NA	CONCRETE RIBBON REMOVAL AND REPLACEMENT	FOOT	200	80.00	16,000.00
NA	COFFERDAMS, SEDIMENT FILTER BAG AND DEWATERING	L SUM	1	22,000.00	22,000.00
NA	SILT FENCE	FOOT	275	6.00	1,650.00
NA	ITEMS ORDERED BY THE ENGINEER	DOLLAR	1	\$ 1.00	\$ 25,000.00
Bidder's Alternate 1 Bid Total Proposal					683,805.00

- Each pay item should have a unit price and a total price.
- If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern.
- If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
- A bid may be declared unacceptable if neither a unit price or total price is shown.

WRITTEN: Six hundred eighty three thousand, six hundred five dollars and zero cents

the award. When a contract bond is not required, the proposal guaranty check will be held in lieu thereof. If this proposal is accepted and the undersigned fails to execute a contract and contract bond as required, it is hereby agreed that the Bid Bond of check shall be forfeited to the Awarding Authority.

7. Each pay item should have a unit price and a total price. If no total price is shown or if there is a discrepancy between the products of the unit price multiplied by the quantity, the unit price shall govern. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price. A bid may be declared unacceptable if neither a unit price nor a total price is shown.
8. The undersigned submits herewith the schedule of prices on BLR 12201 covering the work to be performed under this contract.
9. The undersigned further agrees that if awarded the contract for the sections contained in the combinations on BLR 12201, the work shall be in accordance with the requirements of each individual proposal for the multiple bid specified in the Schedule for Multiple Bids below.
10. A proposal guaranty in the proper amount, as specified in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals, will be required. Bid Bonds Will be allowed as a proposal guaranty. Accompanying this proposal is either a bid bond, if allowed, on Department form BLR 12230 or a proposal guaranty check, complying with the specifications, made payable to: Village Treasurer of Hawthorn Woods.
The amount of the check is 5% of the total bid amount (_____).

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 proposal 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: Section Number N/A.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Village of Hawthorn Woods	Lake	N/A	Indian Creek Road Culvert Replacement/ Streambank Stabilization

CONTRACTOR 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.

1. **Debt Delinquency.** The bidder or contractor or subcontractor, respectively, certifies that it is not delinquent in the payment of any tax administered by the Department of Revenue unless the individual or other entity is contesting, in accordance with the procedure established by the appropriate Revenue Act, its liability for the tax or the amount of the tax. Making a false statement voids the contract and allows the Department to recover all amounts paid to the individual or entity under the contract in a civil action.
2. **Bid-Rigging or Bid Rotating.** The bidder or contractor or subcontractor, respectively, certifies that it is not barred from contracting with the Department by reason of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

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: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract 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 on 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 on behalf of the corporation.

3. **Bribery.** The bidder or contractor or subcontractor, respectively, certifies that, it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois or any unit of local government, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm.
4. **Interim Suspension or Suspension.** The bidder or contractor or subcontractor, respectively, certifies that it is not currently under a suspension as defined in Subpart I of Title 44 Subtitle A Chapter III Part 6 of the Illinois Administrative code. Furthermore, if suspended prior to completion of this work, the contract or contracts executed for the completion of this work may be canceled.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Village of Hawthorn Woods	Lake	N/A	Indian Creek Road Culvert Replacement/ Streambank Stabilization

SIGNATURES

(If an individual)

Signature of Bidder	Date	
Business Address		
City	State	Zip Code

(If a partnership)

Firm Name	
Signature	Date

Title

[Empty box for Title]

Business Address

[Empty box for Business Address]

City

State

Zip Code

[Empty box for City]

[Empty box for State]

[Empty box for Zip Code]

Insert the Names and Addresses of all Partners

[Large empty box for Partners]

(If a corporation)

Corporate Name

Campanella & Sons, Inc.

Signature

Date

Suzanne Zupec

5/15/2024

Title

President

Business Address

39207 N Magnetics Blvd PO Box 32

City

State

Zip Code

Wadsworth

IL

60083

Insert Names of Officers

President

Suzanne Zupec

Secretary

Mary Kenar

Treasurer

Mary Kenar

Attest:

Mary Kenar

Secretary

Affidavit of Illinois Business Office

Local Public Agency	County	Street Name/Road Name	Section Number
Village of Hawthorn Woods	Lake	Indian Creek Rd.	N/A

I, Suzanne Zupec of Wadsworth, Illinois,
Name of Affiant City of Affiant State of Affiant

being first duly sworn upon oath, state as follows:

1. That I am the President of Campanella & Sons, Inc..
Officer or Position Bidder
2. That I have personal knowledge of the facts herein stated.
3. That, if selected under the proposal described above, Campanella & Sons, Inc., will maintain a business office in the
Bidder
 State of Illinois, which will be located in Lake County, Illinois.
County
4. That this business office will serve as the primary place of employment for any persons employed in the construction contemplated by this proposal.
5. That this Affidavit is given as a requirement of state law as provided in Section 30-22(8) of the Illinois Procurement Code.

Signature & Date

	5/15/2024
Print Name of Affiant	
Suzanne Zupec, President	

Notary Public

State of IL
 County Lake

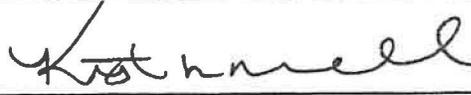
Signed (or subscribed or attested) before me on May 15, 2024 by
(date)

Suzanne Zupec, authorized agent(s) of
(name/s of person/s)

Campanella & Sons, Inc.
Bidder



Notary Public Signature & Date


My commission expires <u>2-26-2028</u>

ADDENDUM #1
Village of Hawthorn Woods
Indian Creek Road Culvert Replacement/Streambank Stabilization
Date: May 3, 2024

I acknowledge the receipt of Addendum #1 for the above referenced project:

Signed: 

Campanella & Sons, Inc.
Name of Company



Affidavit of Availability

For the Letting of: 05/15/24



Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, IL 62764

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	1	2	3	4	Awards Pending	Accumulated Totals
Contract Number	Wildwood WM	61K05	62W53			
Contract With	LCPW	IDOT	IDOT			
Estimated Completion Date	06/01/24	12/01/24	11/27/24			
Total Contract Price	\$3,557,942	\$4,199,910	\$4,399,897			
Uncompleted Dollar Value if Firm is the Prime Contractor	\$1,557,942	\$4,199,910	\$4,399,897			\$10,157,749
Uncompleted Dollar Value if Firm is the Subcontractor						
Total Value of All Work						\$10,157,749

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

Earthwork		\$482,801	\$352,768			\$835,569
Portland Cement Concrete Paving						
HMA Plant Mix						
HMA Paving		\$62,400				\$62,400
Clean & Seal Cracks/Joints						
Aggregate Bases, Surfaces		\$394,905	\$362,000			\$756,905
Highway, R.R., Waterway Struc.						
Drainage	\$605,000	\$824,946	\$1,092,000			\$2,521,946
Electrical						
Cover and Seal Coats						
Concrete Construction	\$35,302	\$86,915				\$122,217
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning, Rotomilling						
Demolition						
Pavement Markings (Paint)						
Other Construction (List)	\$250,000	\$142,000	\$265,000			\$657,000
Totals	\$890,302	\$1,993,967	\$2,071,768			\$4,956,037

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor	Peter Baker	Peter Baker	Peter Baker		
Type of Work	Asphalt Paving	Asphalt Paving	Asphalt Paving		
Subcontract Price	\$438,780	\$808,921	\$860,888		
Amount Uncompleted	\$438,780	\$808,921	\$860,888		
Subcontractor	Gary Weiss	Arteaga Landscapin	Arteaga Landscapin		
Type of Work	Landscaping	Landscaping	Landscaping		
Subcontract Price	\$50,000	\$116,233	\$88,138		
Amount Uncompleted	\$50,000	\$116,233	\$88,138		
Subcontractor	IHC	Everlast	PPM		
Type of Work	HDD	Concrete Flatwork	Pavement Marking		
Subcontract Price	\$44,860	\$431,834	\$41,791		
Amount Uncompleted	\$44,860	\$431,834	\$41,791		
Subcontractor		Hometowne Electric	Hometowne Electric		
Type of Work		Electric	Electric		
Subcontract Price		\$636,081	\$694,603		
Amount Uncompleted		\$636,081	\$694,603		
Subcontractor		Industrial Fence	Kreativescape		
Type of Work		Fence	Concrete		
Subcontract Price		\$68,622	\$271,314		
Amount Uncompleted		\$68,622	\$271,314		
Subcontractor		Marking Socialists	Maintenance Coatins		
Type of Work		Pavement Marking	Traffic Control		
Subcontract Price		\$48,141	\$307,013		
Amount Uncompleted		\$48,141	\$307,013		
Subcontractor		Work Zone Safety	Northern Contracting		
Type of Work		Traffic Control	Fence		
Subcontract Price		\$96,111	\$64,382		
Amount Uncompleted		\$96,111	\$64,382		
Total Uncompleted	\$533,640	\$2,205,943	\$2,328,129		



Affidavit of Availability

For the Letting of: 05/15/24

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, IL 62764

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	1	2	3	4	Awards Pending	Accumulated Totals
Contract Number	62J41	14-00144-20-CH	16th St. WaterM	Park City		
Contract With	IDOT	LCDOT	North Chicago	LCSWM		
Estimated Completion Date	10/31/24	10/31/24	05/31/24	05/01/24		
Total Contract Price	\$7,886,157	\$3,392,455	\$8,991,661	\$2,714,047		
Uncompleted Dollar Value if Firm is the Prime Contractor	\$7,886,157	\$3,200,405	\$6,805,000	\$1,199,134		\$29,248,445
Uncompleted Dollar Value if Firm is the Subcontractor						
Total Value of All Work						\$29,248,445

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

Earthwork	\$2,045,000	\$873,023		\$402,000		\$4,155,592
Portland Cement Concrete Paving						
HMA Plant Mix						
HMA Paving		\$55,000				\$117,400
Clean & Seal Cracks/Joints						
Aggregate Bases, Surfaces	\$565,479	\$319,979				\$1,642,363
Highway, R.R., Waterway Struc.						
Drainage	\$585,000	\$355,808	\$5,231,912	\$277,000		\$8,971,666
Electrical						
Cover and Seal Coats						
Concrete Construction						\$122,217
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning, Rotomilling						
Demolition						
Pavement Markings (Paint)						
Other Construction (List)						\$657,000
Rem existing Structure	\$1,979,000					\$1,979,000
Totals	\$5,174,479	\$1,603,810	\$5,231,912	\$679,000		\$17,645,238

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

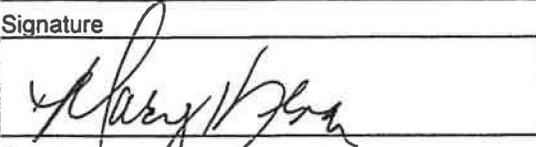
	1	2	3	4	Awards Pending
Subcontractor	Dunnet Bay	Peter Baker	Peter Baker	Peter Baker	
Type of Work	Structural Concrete	HMA	Asphalt Paving	Asphalt Paving	
Subcontract Price	\$2,144,665	\$673,218	\$925,904	\$165,134	
Amount Uncompleted	\$2,044,665	\$673,218	\$925,904	\$165,134	
Subcontractor	Arteaga	TCP	Carrera Concrete	Chadwick	
Type of Work	Landscaping	Traffic Control	Concrete	Concrete	
Subcontract Price	\$38,391	\$111,523	\$406,498	\$320,000	
Amount Uncompleted	\$38,391	\$111,523	\$406,498	\$320,000	
Subcontractor	Carrera	Homer	KD Staples	KD Staples	
Type of Work	Concrete	Tree Clearing	Landscaping	Landscaping	
Subcontract Price	\$170,347	\$64,671	\$68,065	\$35,000	
Amount Uncompleted	\$170,347	\$0	\$68,065	\$35,000	
Subcontractor	Peter Baker	Gary Weiss	Superior Road Strip		
Type of Work	HMA	Landscaping	Pavement Marking		
Subcontract Price	\$232,612	\$151,142	\$68,621		
Amount Uncompleted	\$232,612	\$151,142	\$68,621		
Subcontractor	Industrial Fence	Alliance	TCP		
Type of Work	Guardrail	Concrete	Traffic Control		
Subcontract Price	\$66,513	\$190,440	\$41,000		
Amount Uncompleted	\$66,513	\$190,440	\$41,000		
Subcontractor	Work Zone Safety	Hometowne Electric	Bulls Eye Boring		
Type of Work	Traffic Control	Electrical	Boring		
Subcontract Price	\$57,150	\$388,646	\$51,560		
Amount Uncompleted	\$37,150	\$388,646	\$0		
Subcontractor		D2K			
Type of Work		Pavement Marking			
Subcontract Price		\$81,626			
Amount Uncompleted		\$81,626			
Total Uncompleted	\$2,589,678	\$1,596,595	\$1,510,088	\$520,134	

Notary

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Officer or Director
Mary Kenar

Title
Executive Secretary/Treasurer

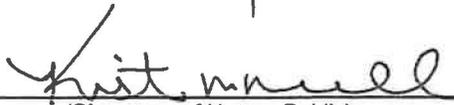
Signature Date
 **5/14/2024**

Company
Campanella & Sons, Inc.

Address
39207 N. Magnetics Blvd.

City	State	Zip Code
Wadsworth	IL	60083

Subscribed and sworn to before me
this 15th day of May, 2024


(Signature of Notary Public)

My commission expires 2-26-2028

OFFICIAL SEAL
KRISTIN M MANDEL
Notary Public, State of Illinois
Commission No. 987537
My Commission Expires February 26, 2028

(Notary Seal)

Add pages for additional contracts

INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2024

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 1-1-22) (Revised 1-1-24)

SUPPLEMENTAL SPECIFICATIONS

<u>Std. Spec. Sec.</u>	<u>Page No.</u>
202 Earth and Rock Excavation	1
204 Borrow and Furnished Excavation	2
207 Porous Granular Embankment	3
211 Topsoil and Compost	4
407 Hot-Mix Asphalt Pavement (Full-Depth)	5
420 Portland Cement Concrete Pavement	6
502 Excavation for Structures	7
509 Metal Railings	8
540 Box Culverts	9
542 Pipe Culverts	29
586 Granular Backfill for Structures	34
630 Steel Plate Beam Guardrail	35
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1004 Coarse Aggregates	45
1010 Finely Divided Minerals	46
1020 Portland Cement Concrete	47
1030 Hot-Mix Asphalt	48
1061 Waterproofing Membrane System	49
1067 Luminaire	50
1097 Reflectors	57



Check Sheet for Recurring Special Provisions

Local Public Agency	County	Section Number
Village of Hawthorn Woods	Lake	

Check this box for lettings prior to 01/01/2023.

The Following Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Recurring Special Provisions

<u>Check Sheet #</u>		<u>Page No.</u>
1	<input type="checkbox"/> Additional State Requirements for Federal-Aid Construction Contracts	53
2	<input type="checkbox"/> Subletting of Contracts (Federal-Aid Contracts)	56
3	<input type="checkbox"/> EEO	57
4	<input type="checkbox"/> Specific EEO Responsibilities Non Federal-Aid Contracts	67
5	<input type="checkbox"/> Required Provisions - State Contracts	72
6	<input type="checkbox"/> Asbestos Bearing Pad Removal	78
7	<input type="checkbox"/> Asbestos Waterproofing Membrane and Asbestos HMA Surface Removal	79
8	<input type="checkbox"/> Temporary Stream Crossings and In-Stream Work Pads	80
9	<input type="checkbox"/> Construction Layout Stakes	81
10	<input type="checkbox"/> Use of Geotextile Fabric for Railroad Crossing	84
11	<input type="checkbox"/> Subsealing of Concrete Pavements	86
12	<input type="checkbox"/> Hot-Mix Asphalt Surface Correction	90
13	<input type="checkbox"/> Pavement and Shoulder Resurfacing	92
14	<input type="checkbox"/> Patching with Hot-Mix Asphalt Overlay Removal	93
15	<input type="checkbox"/> Polymer Concrete	95
16	<input type="checkbox"/> Reserved	97
17	<input type="checkbox"/> Bicycle Racks	98
18	<input type="checkbox"/> Temporary Portable Bridge Traffic Signals	100
19	<input type="checkbox"/> Nighttime Inspection of Roadway Lighting	102
20	<input type="checkbox"/> English Substitution of Metric Bolts	103
21	<input type="checkbox"/> Calcium Chloride Accelerator for Portland Cement Concrete	104
22	<input type="checkbox"/> Quality Control of Concrete Mixtures at the Plant	105
23	<input checked="" type="checkbox"/> Quality Control/Quality Assurance of Concrete Mixtures	113
24	<input type="checkbox"/> Reserved	129
25	<input type="checkbox"/> Reserved	130
26	<input type="checkbox"/> Temporary Raised Pavement Markers	131
27	<input type="checkbox"/> Restoring Bridge Approach Pavements Using High-Density Foam	132
28	<input type="checkbox"/> Portland Cement Concrete Inlay or Overlay	135
29	<input type="checkbox"/> Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	139
30	<input type="checkbox"/> Longitudinal Joint and Crack Patching	142
31	<input type="checkbox"/> Concrete Mix Design - Department Provided	144
32	<input type="checkbox"/> Station Numbers in Pavements or Overlays	145

Local Public Agency

County

Section Number

Village of Hawthorn Woods

Lake

The Following Local Roads And Streets Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Local Roads And Streets Recurring Special Provisions

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LRS 2	<input type="checkbox"/> Furnished Excavation	148
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LRS 4	<input checked="" type="checkbox"/> Flaggers in Work Zones	150
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LRS 7	<input type="checkbox"/> Bidding Requirements and Conditions for Material Proposals	158
LRS 8	Reserved	164
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LRS 10	Reserved	169
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LRS 16	<input type="checkbox"/> Protests on Local Lettings	179
LRS 17	<input checked="" type="checkbox"/> Substance Abuse Prevention Program	180
LRS 18	<input type="checkbox"/> Multigrade Cold Mix Asphalt	181
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BDE SPECIAL PROVISIONS
For the April 26 and June 14, 2024 Lettings

The following special provisions indicated by a "check mark" are applicable to this contract and will be included by the Project Coordination and Implementation Section of the Bureau of Design & Environment (BDE).

File Name	#		Special Provision Title	Effective	Revised	
	80099	1	<input type="checkbox"/>	Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2022
	80274	2	<input type="checkbox"/>	Aggregate Subgrade Improvement	April 1, 2012	April 1, 2022
	80192	3	<input type="checkbox"/>	Automated Flagger Assistance Devices	Jan. 1, 2008	April 1, 2023
	80173	4	<input type="checkbox"/>	Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
	80426	5	<input type="checkbox"/>	Bituminous Surface Treatment with Fog Seal	Jan. 1, 2020	Jan. 1, 2022
*	80241	6	<input type="checkbox"/>	Bridge Demolition Debris	July 1, 2009	
*	50531	7	<input type="checkbox"/>	Building Removal	Sept. 1, 1990	Aug. 1, 2022
*	50261	8	<input type="checkbox"/>	Building Removal with Asbestos Abatement	Sept. 1, 1990	Aug. 1, 2022
	80449	9	<input type="checkbox"/>	Cement, Type IL	Aug. 1, 2023	
	80384	10	<input type="checkbox"/>	Compensable Delay Costs	June 2, 2017	April 1, 2019
*	80198	11	<input type="checkbox"/>	Completion Date (via calendar days)	April 1, 2008	
*	80199	12	<input type="checkbox"/>	Completion Date (via calendar days) Plus Working Days	April 1, 2008	
	80453	13	<input type="checkbox"/>	Concrete Sealer	Nov. 1, 2023	
	80261	14	<input checked="" type="checkbox"/>	Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
	80434	15	<input type="checkbox"/>	Corrugated Plastic Pipe (Culvert and Storm Sewer)	Jan. 1, 2021	
*	80029	16	<input type="checkbox"/>	Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Mar. 2, 2019
	80229	17	<input type="checkbox"/>	Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
	80452	18	<input type="checkbox"/>	Full Lane Sealant Waterproofing System	Nov. 1, 2023	
	80447	19	<input checked="" type="checkbox"/>	Grading and Shaping Ditches	Jan. 1, 2023	
	80433	20	<input type="checkbox"/>	Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	Jan. 1, 2022
	80443	21	<input type="checkbox"/>	High Tension Cable Median Barrier Removal	April 1, 2022	
	80456	22	<input checked="" type="checkbox"/>	Hot-Mix Asphalt	Jan. 1, 2024	
	80446	23	<input type="checkbox"/>	Hot-Mix Asphalt - Longitudinal Joint Sealant	Nov. 1, 2022	Aug. 1, 2023
	80438	24	<input type="checkbox"/>	Illinois Works Apprenticeship Initiative – State Funded Contracts	June 2, 2021	April 2, 2024
	80045	25	<input type="checkbox"/>	Material Transfer Device	June 15, 1999	Jan. 1, 2022
	80450	26	<input type="checkbox"/>	Mechanically Stabilized Earth Retaining Walls	Aug. 1, 2023	
	80441	27	<input checked="" type="checkbox"/>	Performance Graded Asphalt Binder	Jan. 1, 2023	
	80451	28	<input checked="" type="checkbox"/>	Portland Cement Concrete	Aug. 1, 2023	
*	34261	29	<input type="checkbox"/>	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2022
	80455	30	<input type="checkbox"/>	Removal and Disposal of Regulated Substances	Jan. 1, 2024	April 1, 2024
	80445	31	<input checked="" type="checkbox"/>	Seeding	Nov. 1, 2022	
	80457	32	<input type="checkbox"/>	Short Term and Temporary Pavement Markings	April 1, 2024	
	80448	33	<input type="checkbox"/>	Source of Supply and Quality Requirements	Jan. 2, 2023	
	80340	34	<input type="checkbox"/>	Speed Display Trailer	April 2, 2014	Jan. 1, 2022
	80127	35	<input type="checkbox"/>	Steel Cost Adjustment	April 2, 2004	Jan. 1, 2022
	80397	36	<input type="checkbox"/>	Subcontractor and DBE Payment Reporting	April 2, 2018	
	80391	37	<input checked="" type="checkbox"/>	Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
	80437	38	<input checked="" type="checkbox"/>	Submission of Payroll Records	April 1, 2021	Nov. 2, 2023
	80435	39	<input type="checkbox"/>	Surface Testing of Pavements – IRI	Jan. 1, 2021	Jan. 1, 2023
	80410	40	<input type="checkbox"/>	Traffic Spotters	Jan. 1, 2019	
*	20338	41	<input type="checkbox"/>	Training Special Provisions	Oct. 15, 1975	Sept. 2, 2021
	80429	42	<input type="checkbox"/>	Ultra-Thin Bonded Wearing Course	April 1, 2020	Jan. 1, 2022
	80439	43	<input checked="" type="checkbox"/>	Vehicle and Equipment Warning Lights	Nov. 1, 2021	Nov. 1, 2022
	80302	44	<input type="checkbox"/>	Weekly DBE Trucking Reports	June 2, 2012	Nov. 1, 2021
	80454	45	<input type="checkbox"/>	Wood Sign Support	Nov. 1, 2023	
	80427	46	<input checked="" type="checkbox"/>	Work Zone Traffic Control Devices	Mar. 2, 2020	
*	80071	47	<input type="checkbox"/>	Working Days	Jan. 1, 2002	

Highlighted items indicate a new or revised special provision for the letting.

An * indicates the special provision requires additional information from the designer, which needs to be submitted separately. The Project Coordination and Implementation Section will then include the information in the applicable special provision.

Lake County Prevailing Wage Rates posted on 1/25/2024

Overtime

Trade Title	Rg	Type	C	Base	Foreman	M-F	Sa	Su	Hol	H/W	Pension	Vac	Trng	Ins	Other	Add OT 1.5x owed	Add OT 2.0x owed
ASBESTOS ABT-GEN	All	ALL		48.90	49.90	1.5	1.5	2.0	2.0	17.37	15.91	0.00	0.91			0.00	0.00
ASBESTOS ABT-MEC	All	BLD		40.59	43.84	1.5	1.5	2.0	2.0	15.22	15.16	0.00	0.88			2.80	5.60
BOILERMAKER	All	BLD		54.71	59.63	2.0	2.0	2.0	2.0	6.97	25.06	0.00	2.83			0.00	0.00
BRICK MASON	All	BLD		50.81	55.89	1.5	1.5	2.0	2.0	12.50	23.01	0.00	1.16	0.00		0.00	0.00
CARPENTER	All	ALL		53.51	55.51	1.5	1.5	2.0	2.0	12.29	25.26	1.70	0.81			0.00	0.00
CEMENT MASON	All	ALL		48.50	50.50	2.0	1.5	2.0	2.0	11.89	30.03	0.00	0.80	0.00		0.00	0.00
CERAMIC TILE FINISHER	All	BLD		45.62	45.62	1.5	1.5	2.0	2.0	12.75	15.64	0.00	1.04	0.00		0.00	0.00
CERAMIC TILE LAYER	All	BLD		53.14	58.14	1.5	1.5	2.0	2.0	12.75	19.41	0.00	1.12	0.00		0.00	0.00
COMMUNICATION TECHNICIAN	All	BLD		42.37	45.17	1.5	1.5	2.0	2.0	14.02	19.97	2.16	0.93	0.00		0.00	0.00
ELECTRIC PWR EQMT OP	All	ALL		49.22	67.16	1.5	1.5	2.0	2.0	7.00	13.79	0.00	1.47	1.48		0.00	0.00
ELECTRIC PWR GRNDMAN	All	ALL		37.81	67.16	1.5	1.5	2.0	2.0	7.00	10.58	0.00	1.14	1.13		0.00	0.00
ELECTRIC PWR LINEMAN	All	ALL		59.17	67.16	1.5	1.5	2.0	2.0	7.00	16.57	0.00	1.77	1.78		0.00	0.00
ELECTRIC PWR TRK DRV	All	ALL		39.19	67.16	1.5	1.5	2.0	2.0	7.00	10.98	0.00	1.17	1.18		0.00	0.00
ELECTRICIAN	All	BLD		44.30	48.55	1.5	1.5	2.0	2.0	15.32	27.06	6.55	0.71	0.00		0.00	0.00
ELEVATOR CONSTRUCTOR	All	BLD		65.12	73.26	2.0	2.0	2.0	2.0	16.08	20.56	5.20	0.70			0.00	0.00
FENCE ERECTOR	All	ALL		48.48	50.48	1.5	1.5	2.0	2.0	13.68	18.32	0.00	0.75	0.00		0.00	0.00
GLAZIER	All	BLD		49.75	51.25	1.5	2.0	2.0	2.0	15.44	25.36	0.00	2.07	0.00		0.00	0.00
HEAT/FROST INSULATOR	All	BLD		54.12	57.37	1.5	1.5	2.0	2.0	15.22	17.86	0.00	0.88			4.15	8.30
IRON WORKER	All	ALL		57.00	59.00	2.0	2.0	2.0	2.0	17.05	25.56	0.00	0.49			0.00	0.00
LABORER	All	ALL		48.90	49.65	1.5	1.5	2.0	2.0	17.37	15.91	0.00	0.91			0.00	0.00
LATHER	All	ALL		53.51	55.51	1.5	1.5	2.0	2.0	12.29	25.26	1.70	0.81			0.00	0.00
MACHINIST	All	BLD		55.74	59.74	1.5	1.5	2.0	2.0	9.93	8.95	1.85	1.47			0.00	0.00
MARBLE FINISHER	All	ALL		38.75	52.46	1.5	1.5	2.0	2.0	12.50	20.95	0.00	0.66	0.00		0.00	0.00
MARBLE SETTER	All	BLD		49.96	54.96	1.5	1.5	2.0	2.0	12.50	22.31	0.00	0.85	0.00		0.00	0.00
MATERIAL TESTER I	All	ALL		38.90		1.5	1.5	2.0	2.0	17.37	15.91	0.00	0.91			0.00	0.00
MATERIALS TESTER II	All	ALL		43.90		1.5	1.5	2.0	2.0	17.37	15.91	0.00	0.91			0.00	0.00

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MILLWRIGHT	All	ALL		53.51	55.51	1.5	1.5	2.0	2.0	12.29	25.26	1.70	0.81	0.00	0.00
OPERATING ENGINEER	All	BLD	1	56.60	60.60	2.0	2.0	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	BLD	2	55.30	60.60	2.0	2.0	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	BLD	3	52.75	60.60	2.0	2.0	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	BLD	4	51.00	60.60	2.0	2.0	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	BLD	5	60.35	60.60	2.0	2.0	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	BLD	6	57.60	60.60	2.0	2.0	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	BLD	7	59.60	60.60	2.0	2.0	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	FLT	1	64.55	64.55	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	FLT	2	63.05	64.55	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	FLT	3	58.55	64.55	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	FLT	4	54.05	64.55	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	FLT	5	66.05	64.55	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	FLT	6	54.05	64.55	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	HWY	1	54.80	58.80	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	HWY	2	54.25	58.80	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	HWY	3	52.20	58.80	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	HWY	4	50.80	58.80	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	HWY	5	49.60	58.80	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	HWY	6	57.80	58.80	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	HWY	7	55.80	58.80	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
ORNAMENTAL IRON WORKER	All	ALL		55.01	57.51	2.0	2.0	2.0	2.0	14.23	26.00	0.00	2.00	0.00	0.00
PAINTER	All	ALL		51.55	57.99	1.5	1.5	1.5	2.0	14.76	15.69	0.00	1.86	0.00	0.00
PAINTER - SIGNS	All	BLD		45.49	51.09	1.5	1.5	2.0	2.0	8.20	16.81	0.00	0.00	0.00	0.00
PILED RIVER	All	ALL		53.51	55.51	1.5	1.5	2.0	2.0	12.29	25.26	1.70	0.81	0.00	0.00
PIPEFITTER	All	BLD		55.00	58.00	1.5	1.5	2.0	2.0	12.65	22.85	0.00	3.12	0.00	0.00
PLASTERER	All	BLD		49.65	52.63	2.0	1.5	2.0	2.0	11.89	29.38	0.00	0.80	0.00	0.00
PLUMBER	All	BLD		56.80	60.20	1.5	1.5	2.0	2.0	17.00	17.29	0.00	1.73	0.00	0.00
ROOFER	All	BLD		49.25	54.25	1.5	1.5	2.0	2.0	11.83	16.14	0.00	1.11	0.00	0.00

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SHEETMETAL WORKER	All	BLD	51.15	55.24	1.5	1.5	2.0	2.0	14.18	28.45	0.00	1.05	0.00	0.00	0.00
SIGN HANGER	All	BLD	35.72	38.58	1.5	1.5	2.0	2.0	7.15	4.60	0.00	0.00	0.00	0.00	0.00
SPRINKLER FITTER	All	BLD	56.60	59.35	1.5	1.5	2.0	2.0	14.45	18.80	0.00	0.75	0.00	0.00	0.00
STEEL ERECTOR	All	ALL	57.00	59.00	2.0	2.0	2.0	2.0	17.05	25.56	0.00	0.49	0.00	0.00	0.00
STONE MASON	All	BLD	50.81	55.89	1.5	1.5	2.0	2.0	12.50	23.01	0.00	1.16	0.00	0.00	0.00
TERRAZZO FINISHER	All	BLD	46.94	46.94	1.5	1.5	2.0	2.0	12.75	17.73	0.00	1.07	0.00	0.00	0.00
TERRAZZO MECHANIC	All	BLD	50.85	54.35	1.5	1.5	2.0	2.0	12.75	19.12	0.00	1.10	0.00	0.00	0.00
TRAFFIC SAFETY WORKER I	All	HWY	40.10	41.70	1.5	1.5	2.0	2.0	10.60	9.35	0.00	1.00	0.00	0.00	0.00
TRAFFIC SAFETY WORKER II	All	HWY	41.10	42.70	1.5	1.5	2.0	2.0	10.60	9.35	0.00	1.00	0.00	0.00	0.00
TRUCK DRIVER	All	ALL	1	43.54	44.09	1.5	1.5	2.0	12.40	12.50	0.00	0.15	0.00	0.00	0.00
TRUCK DRIVER	All	ALL	2	43.69	44.09	1.5	1.5	2.0	12.40	12.50	0.00	0.15	0.00	0.00	0.00
TRUCK DRIVER	All	ALL	3	43.89	44.09	1.5	1.5	2.0	12.40	12.50	0.00	0.15	0.00	0.00	0.00
TRUCK DRIVER	All	ALL	4	44.09	44.09	1.5	1.5	2.0	12.40	12.50	0.00	0.15	0.00	0.00	0.00
TUCKPOINTER	All	BLD	50.53	51.53	1.5	1.5	2.0	2.0	9.55	21.72	0.00	1.11	0.00	0.00	0.00

Legend

Rg Region

Type Trade Type - All,Highway,Building,Floating,Oil & Chip,Rivers

C Class

Base Base Wage Rate

OT M-F Unless otherwise noted, OT pay is required for any hour greater than 8 worked each day, Mon through Fri. The number listed is the multiple of the base wage.

OT Sa Overtime pay required for every hour worked on Saturdays

OT Su Overtime pay required for every hour worked on Sundays

OT Hol Overtime pay required for every hour worked on Holidays

H/W Health/Welfare benefit

Vac Vacation

Trng Training

Other Ins Employer hourly cost for any other type(s) of insurance provided for benefit of worker.

Explanations LAKE COUNTY

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed

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on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

EXPLANATION OF CLASSES

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

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

CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATION TECHNICIAN

Low voltage construction, installation, maintenance and removal of telecommunication facilities (voice, sound, data and video) including outside plant, telephone, security systems and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area network), LAN (local area networks), and ISDN (integrated system digital network), pulling of wire in raceways, but not the installation of raceways.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble,

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holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

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

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

OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft.; Concrete Paver 27E cu. ft. and Under; Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Heavy Duty Self-Propelled Transporter or Prime Mover; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician; Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Operation of Tie Back Machine; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

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

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators (remodeling or renovation work); Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

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

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Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines; ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types; Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dredges; Elevators, Outside type Rack & Pinion and Similar Machines; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Heavy Duty Self-Propelled Transporter or Prime Mover; Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Trenching; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; Hydro Excavating (excluding hose work); Laser Screed; All Locomotives, Dinky; Off-Road Hauling Units (including articulating) Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper - Single/Twin Engine/Push and Pull; Scraper - Prime Mover in Tandem (Regardless of Size); Tractors pulling attachments, Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

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

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Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Vacuum Trucks (excluding hose work); Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. SkidSteer Loader (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders

Class 7. Dowell Machine with Air Compressor; Gradall and machines of like nature.

OPERATING ENGINEER - FLOATING

Class 1. Craft Foreman; Master Mechanic; Diver/Wet Tender; Engineer; Engineer (Hydraulic Dredge).

Class 2. Crane/Backhoe Operator; Boat Operator with towing endorsement; Mechanic/Welder; Assistant Engineer (Hydraulic Dredge); Leverman (Hydraulic Dredge); Diver Tender.

Class 3. Deck Equipment Operator, Machineryman, Maintenance of Crane (over 50 ton capacity) or Backhoe (115,000 lbs. or more); Tug/Launch Operator; Loader/Dozer and like equipment on Barge, Breakwater Wall, Slip/Dock, or Scow, Deck Machinery, etc.

Class 4. Deck Equipment Operator, Machineryman/Fireman (4 Equipment Units or More); Off Road Trucks; Deck Hand, Tug Engineer, Crane Maintenance (50 Ton Capacity and Under) or Backhoe Weighing (115,000 pounds or less); Assistant Tug Operator.

Class 5. Friction or Lattice Boom Cranes.

Class 6. ROV Pilot, ROV Tender

TRAFFIC SAFETY Worker I

Traffic Safety Worker I - work associated with the delivery, installation, pick-up and servicing of safety devices during periods of roadway construction, including such work as set-up and maintenance of barricades, barrier wall reflectors, drums, cones, delineators, signs, crash attenuators, glare screen and other such items, and the layout and application or removal of conflicting and/or temporary roadway markings utilized to control traffic in construction zones, as well as flagging for these operations.

TRAFFIC SAFETY WORKER II

Work associated with the installation and removal of permanent pavement markings and/or pavement markers including both installations performed by hand and installations performed by truck.

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION

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Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters; Unskilled Dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

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

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

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

TERRAZZO FINISHER

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

Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

LANDSCAPING

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

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MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

Notwithstanding the difference in the classification title, the classification entitled "Material Tester I" involves the same job duties as the classification entitled "Material Tester/Inspector I". Likewise, the classification entitled "Material Tester II" involves the same job duties as the classification entitled "Material Tester/Inspector II".

Village of Hawthorn Woods
Indian Creek Road
Culvert Replacement/Streambank Stabilization
Lake County

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SPECIAL PROVISIONS

The "Standard Specifications for Road and Bridge Construction" adopted January 1, 2022, as amended by the Supplemental Specifications and Recurring Special Provisions, adopted January 1, 2024; the Bureau of Design and Environment (BDE) Special Provisions indicated on the respective Check Sheets herein, the latest edition of the "Manual on Uniform Traffic Control Devices", "Manual of Test Procedures", and the "Manual for Materials Inspection," adopted May 19, 2023, all issued by the State of Illinois Department of Transportation, hereinafter referred to as the "Standard Specifications", and the "Standard Specification for Water & Sewer Main Construction in Illinois", Eighth Edition, are hereby incorporated by reference and shall apply to and govern the construction of the INDIAN CREEK ROAD CULVERT REPLACEMENT/STREAMBANK STABILIZATION, in Hawthorn Woods, Lake County, Illinois.

The following SPECIAL PROVISIONS supplement the STANDARD SPECIFICATIONS shall apply to and govern the construction of the INDIAN CREEK ROAD CULVERT REPLACEMENT/STREAMBANK STABILIZATION in Hawthorn Woods, Lake County, Illinois. In case of conflict with any part or parts of said specifications, said SPECIAL PROVISIONS shall take precedence and shall govern.

Project Location:

Base Bid: STA. 54+00 to STA. 55+00 on Indian Creek Road (see plans).

Alternate 1 Bid: 250 feet west of proposed box culvert (see plans).

Project Length: 100'

Project Scope:

Base Bid:

Resurfacing: Scope includes Pavement Removal and replacement with HMA Surface Course 2", HMA Binder Course 8", Aggregate Base Course, Type B 6", along with installation of PCC Shoulders, 9", raised reflective pavement marker removal and replacement, pavement striping, and any necessary restoration.

Reinforced Concrete Box Culvert Installation: The scope of the project will include replacement of the existing 80-inch Corrugated Metal Pipe (CMP) culvert under Indian Creek Road. The proposed culvert crossing will be a 12'x6'Reinforced Concrete Box Culvert (RCBC) with a precast end section and wingwalls with an 8-inch-thick concrete. Along each side of the roadway and tied into the culvert headwall would be a barrier wall.

Streambank Stabilization (East End): The location for the Base Bid is the east end of the project in the area adjacent to the proposed box culvert. The scope for the soil, erosion, and sediment control of this location of the project includes tree removal and installation of silt fences. The proposed stabilization technique is installation of native prairie vegetation along with topsoil, seeding, erosion control blanket, and installation of riprap.

Alternate 1 Bid:

Streambank Stabilization (West End): The location for the Alternate 1 Bid is the west end of the project at the hairpin meander approximately 250 feet west of the proposed box culvert shown on the plans. The scope for the soil, erosion, and sediment control of this location of the project includes tree removal and installation of silt fences. The scope for the streambank stabilization of the west location of the project includes stabilizing the meander by installing gabion baskets which will range from 7.5 feet above the water at the west side to 1.5 feet at the east side. The scope also includes installation of native prairie vegetation above the wall.

Basis of Award:

The Village will choose the "low bidder" based upon Village's budget, and the total for the Base Bid and Alternate Bid.

All removal or excavation items being disposed of at an uncontaminated soil fill operation or clean construction and demolition debris (CCDD) fill site shall meet the requirements of Public Act 96-1416. all costs associated with meeting these requirements shall be included in the unit price cost for the associated removal or excavation items in the contract. These costs shall include but are not limited to all required testing, lab analysis, certification by a licensed professional engineer, and state and local tipping fees.

DEFINITION OF TERMS

In addition to the definitions included in Section 101 of the "Standard Specifications for Road and Bridge Construction", adopted January 1, 2022, the following should be added:

Engineer - shall be the firm of Christopher B. Burke Engineering, Ltd. as Engineer employed by the Owner.

Owner - shall be the Village of Hawthorn Woods.

Municipality - shall be the Village of Hawthorn Woods.

Department - shall be the Village of Hawthorn Woods.

FAILURE TO COMPLETE THE WORK ON TIME

Delete Article 108.09 of the STANDARD SPECIFICATIONS and substitute with the following:

Time is of the essence to the contract. Should the CONTRACTOR fail to complete the work on or before the completion date stipulated in the contract or within such extended time as may have been allowed, the CONTRACTOR shall be liable and shall pay to the Village the sum of \$1,050 per working day, not as a penalty but as liquidated damages, for each day of overrun in the contract time or such extended time as may have been allowed. Should the CONTRACTOR fail to complete the work on or before the interim allowable working days per location, the CONTRACTOR shall be liable and pay to the Village the sum of \$1,050 per working day per location, not as a penalty but as liquidated damages, for each day of overrun. The liquidated damages for failure to complete the contract on time are approximate, due to the impracticality of calculating and proving actual delay costs. The liquidated damage amount establishes the cost of delay to account for administration, engineering, inspection, and supervision during periods of extended and delayed performance. The costs of delay represented by the liquidated damage amount are understood to be a fair and reasonable estimate of the costs that will be borne by the Village during extended and delayed performance by the CONTRACTOR for the work, remaining incidental work, correction of work improperly completed, or repair of work damaged as a result of the CONTRACTOR. The liquidated damage amount specified will accrue and be assessed until final completion of the total physical work of the contract even though the work may be substantially complete. The Village will deduct these liquidated damages from any monies due or to become due to the CONTRACTOR from the Village.

SIGNS

The CONTRACTOR shall remove and relocate all street signs located in or near the construction zone as directed by the Village. The CONTRACTOR shall be responsible for replacing at his expense any signs damaged during the course of construction and the operation of removing and relocating any signs. The removal and relocation of all existing signs within the construction limits shall not be paid for separately but shall be incidental to the contract.

PREVAILING WAGE RATES

When engaged in construction of a "public work," within the meaning of Illinois Prevailing Wage Act, 820 ILCS 130/.01 et seq. ("the Act"), the Act requires Contractors and Subcontractors to pay laborers, workers and mechanics performing services on public works projects no less than the "prevailing rate of wages" (hourly wages plus fringe benefits) in the county where the work is performed.

For information regarding current prevailing wage rates, please refer to the Illinois Department of Labor's website at: www.state.il.us/agency/idol/rates/rates.HTM. All Contractors and Subcontractors rendering services under a Contract for the construction of a public work must comply with all requirements of the Act, including but not limited to, all wage, notice and record keeping duties.

The term general prevailing hourly rate, when used in this requirement will mean the hourly cash wages plus fringe benefits for health and welfare, insurance, vacations and pensions paid generally, in the locality in which the work is being performed, to employees engaged in work of a similar character on public works.

As a condition of making payment to the Contractor, the Village may require the Contractor to submit an affidavit to the effect that not less than the prevailing hourly wage rate is being paid to laborers, mechanics and other workmen employed on this Contract in accordance with Illinois or federal law, as applicable.

COMMENCEMENT OF WORK

Start Date: June 3, 2024

Completion Date (Including Punch List Items): July 24, 2024

STATUS OF UTILITIES (D-1)

Effective: June 1, 2016

Revised: January 1, 2020

Utility companies and/or municipal owners located within the construction limits of this project have provided the following information regarding their facilities and the proposed improvements. The tables below contain a description of specific conflicts to be resolved and/or facilities which will require some action on the part of the Department's contractor to proceed with work. Each table entry includes an identification of the action necessary and, if applicable, the estimated duration required for the resolution.

UTILITIES TO BE ADJUSTED

Conflicts noted below have been identified by following the suggested staging plan included in the contract. The company has been notified of all conflicts and will be required to obtain the necessary permits to complete their work; in some instances, resolution will be a function of the construction staging. The responsible agency must relocate, or complete new installations as noted below; this work has been deemed necessary to be complete for the Department's contractor to then work in the stage under which the item has been listed.

No conflicts to be resolved

UTILITIES TO BE WATCHED AND PROTECTED

The areas of concern noted below have been identified by following the suggested staging plan included for the contract. The information provided is not a comprehensive list of all remaining utilities, but those which during coordination were identified as ones which might require the Department's contractor to take into consideration when making the determination of the means and methods that would be required to construct the proposed improvement. In some instances, the contractor will be responsible to notify the owner in advance of the work to take place so necessary staffing on the owner's part can be secured.

No facilities requiring extra consideration

The following contact information is what was used during the preparation of the plans as provided by the owner of the facility.

Village of Hawthorn Woods
 Indian Creek Road
 Culvert Replacement/Streambank Stabilization
 Lake County

Agency/Company Responsible to Resolve Conflict	Name of contact	Address	Phone	e-mail address
AT&T (Distribution)	Jamel McGinnis	1000 Commerce Drive Floor 1 Oak Brook, IL 60523	n/a	Email: g11629@att.com
Comcast	Martha Gieras	688 Industrial Drive Elmhurst, IL 60126	224-229-5862	Email: Martha_gieras@cable.comcast.com
ComEd Electronic-Plan-Submittal	Lisa Argast	n/a	Bus: 630-576-7094	Email: PlanSubmittalsandMapRequests@exeloncorp.com Email 2: Lisa.mavity@comed.com
Nicor Gas	Sakibul Forah	1844 Ferry Rd. Naperville, IL 60563	Bus: 630-388-2903	Email: gasmaps@algresources.com Email 2: sforah@southernco.com
North Shore Gas	Jay Hammer	3001 Grand Ave. Waukegan, IL 60085	847-263-4678	Email: Jay.hammer@northshoregasdelivery.com

The above represents the best information available to the Department and is included for the convenience of the bidder. The days required for conflict resolution should be considered in the bid as this information has also been factored into the timeline identified for the project when setting the completion date. The applicable portions of the Standard Specifications for Road and Bridge Construction shall apply.

Estimated duration of time provided above for the first conflicts identified will begin on the date of the executed contract regardless of the status of the utility relocations. The responsible agencies will be working toward resolving subsequent conflicts in conjunction with contractor activities in the number of days noted.

The estimated relocation duration must be part of the progress schedule submitted by the contractor. A utility kickoff meeting will be scheduled between the Department, the Department's contractor and the utility companies when necessary. The Department's contractor is responsible for contacting J.U.L.I.E. prior to all excavation work.

TREE REMOVAL

1. Scope

This special provision outlines the requirements and procedures for de-brushing and tree removal within the project limits as directed by the Illinois Department of Transportation (IDOT) standards.

2. Definitions

- Tree Removal: The cutting down and removal of trees within the project limits. This pay item shall also include de-brushing which consists of the removal of shrubs, bushes, and other vegetation obstructing the

3. Responsibilities

The Contractor shall be responsible for:

- a. Conducting de-brushing and tree removal activities in accordance with the IDOT standards and specifications.
- b. Obtaining all necessary permits and permissions required for de-brushing and tree removal from relevant authorities.
- c. Ensuring the safe execution of de-brushing and tree removal activities to prevent any damage to existing infrastructure, adjacent properties, or the environment.

4. Method of De-brushing and Tree Removal

- a. De-brushing and tree removal shall be performed using appropriate equipment and techniques to minimize environmental impact and ensure efficient clearing of vegetation.
- b. All de-brushing and tree removal activities shall be conducted in compliance with applicable environmental regulations and guidelines.
- c. De-brushing and tree removal shall be carried out in stages, starting from areas closest to the project limits and progressing systematically to cover the entire designated area.

5. Environmental Protection

- a. The Contractor shall implement measures to minimize soil erosion, sedimentation, and disturbance to wildlife habitats during de-brushing and tree removal activities.
- b. All removed vegetation, including branches, leaves, and stumps, shall be disposed of in accordance with local regulations and as directed by the Engineer.

6. Compliance with IDOT Standards

The Contractor shall comply with all IDOT standards, specifications, and guidelines related to de-brushing and tree removal, including but not limited to:

- a. Standard Specifications for Road and Bridge Construction.
- b. Illinois Highway Code.
- c. Environmental Protection Guidelines.

7. Inspection and Acceptance

- a. The Engineer shall conduct regular inspections to ensure compliance with the requirements outlined in this special provision.
- b. De-brushing and tree removal activities shall be subject to acceptance by the Engineer before final approval.

8. Payment

This work will be measured and paid for at the contract unit price per ACRE for TREE REMOVAL, which price shall be payment in full for constructing this item as specified, including all materials, labor and equipment.

PRAIRIE SEEDING (SPECIAL)

Description. This work consists of preparing the seed bed, furnishing, transporting, and placing the seed, of the various mixes on predetermined areas. All work, materials, equipment, and incidentals shall conform to Section 250 and 1081 of the Standard Specifications except as modified herein and as directed by the ENGINEER.

Seed Specifications. The seed mix shall be supplied in pounds of Pure Live Seed. Only local genotypes shall be used; that is, seed shall be harvested from plants whose origin is within 150 miles of the site. If the seed listed is not available within 150 miles the ENGINEER may allow seed sourced from locations no more than 300 miles. The seed mix shall be supplied with appropriate inoculants. Fertilizer is not required.

Species Substitutions or Quantity Deviations. Prior to installation, the ENGINEER will review any species substitutions or quantity deviations submitted by the CONTRACTOR and reserves the authority to deny use of any species, if deemed unacceptable for the site and evaluate requested deviations in the listed quantities. The ENGINEER may consult with the OWNER regarding the suitability of the requested substitution.

All seed materials shall conform to the following requirements:

1. All supplied seed shall meet the requirements of Article 1081.04 of the Standard Specifications
2. Any seed received that does not meet these Specifications will be rejected by the ENGINEER and returned at the CONTRACTOR's expense.
3. All seed furnished by the CONTRACTOR shall be true to species name and variety for each seed mix tabulated in the plans.
4. All seed shall be guaranteed by the CONTRACTOR to be in a vigorous growing condition through three growing cycles (including three summer and two winter seasons). The guarantee period shall begin at the time of final acceptance.
5. The original (wild) source of seed shall be guaranteed within a 150-mile radius of McHenry County, Illinois. If the seed listed is not available within 150 miles the ENGINEER may allow seed sourced from locations no more than 300 miles. Any seed that is not shall be specified by geographic location and distance from McHenry County, Illinois, by the Vendor. Preference will be given to seed that originates within 150 miles of McHenry County, Illinois.
 - a. All species with dispersal appendages (e.g. Asclepias, Aster, Liatris, Solidago, etc.) are being requested on a "de-fluffed" (DF) basis. The Vendor must indicate if their seed is not available on a de-fluffed basis. Preference will be given to de-fluffed seed rather than bulk seed.
 - b. All "hulled" species (e.g. Desmodium, Lespedeza, Petalostemum, etc.) are being requested on a de-hulled (DH) basis. Vendor must indicate if their seed is not available on a de-hulled basis. Preference will be given to de-hulled seed rather than bulk seed.

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6. Packaging for all species shall be clearly labeled on the outside with the following information:
 - a. Scientific name of species;
 - b. PLS value, PLS weight, and bulk weight;
 - c. Pure weight and bulk weight if seed is not available as PLS;
 - d. Seed tests must be attached to the packaging for all species at time of delivery;
 - e. Year of seed production and date of seed tests.
7. The Vendor shall provide (upon request) to the ENGINEER, a written description of the seed materials provided by the Vendor. This description shall include any or all of the following:
 - a. Provenance of the various species of seed;
 - b. Name and location of seed supplier, if not from Vendor's nursery;
 - c. Certificate of compliance from appropriate regulatory agencies indicating approval of seeds.
8. All legume species shall have the appropriate inoculants supplied with them.
9. The CONTRACTOR shall provide proof of acquisition of seed and associated seed tests as outlined above no later than May 1, 2014. There shall be no seed delivered to the project site or received by the ENGINEER on Fridays or holidays without prior approval.
10. All deliveries of seeds shall be packaged and delivered to ensure the viability of the seed material upon delivery. All seed shall be packed and covered in such a manner as to insure adequate protection against leakage, damage and to maintain dormancy while in transit.
11. Any delivery/shipping costs shall be integrated into the seed price per oz./lb. and the itemized cost. Do not give both a seed cost and a separate shipping/delivery cost.
12. Invoices shall directly reflect the quantities, price per unit, and itemized cost submitted to the Vendor in the form of Purchase Order and/or Attachment.

Mycorrhizal Inoculum: All native seed mixes shall be combined with an appropriate endomycorrhizal inoculant. The inoculants shall contain a diverse mixture of glomales fungal species (*Glomus* spp.) in pelletized form. Application rate shall be in accordance with the selected manufacturers recommendations. All seed shall be mixed with a granular form of endomycorrhizal inoculant prior to installation.

Seeding Method. The primary method for seeding is broadcasting with carrier agent via a mechanical spreader. Hydroseeding can be used for areas with erosion issues, or other hard to access areas, as allowed by the ENGINEER. Other methods may be presented to ENGINEER for consideration. The ENGINEER will have final approval of the installation method.

Areas to be seeded shall be firm but not compacted and shall be fine graded to a smooth and natural contour prior to seeding. All rocks, sticks, roots, clods, and debris greater than one inch in diameter shall be removed and disposed on site in locations approved by the ENGINEER.

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Immediately after rolling seeded area, place erosion control blanket on all slopes steeper than 3 feet horizontal to 1 foot vertical on the bottom of all ditches and adjacent to all trail and pavement edges. See typical section for type.

Immediately after rolling seeded areas and installation of EROSION CONTROL BLANKET on all slopes steeper than 3 feet horizontal to 1 foot vertical, apply hydromulch at a rate of 1 ton per acre within 24 hours after seeding. Use hydromulch on all seeded areas unless otherwise approved or specified.

Schedule. Seeding is to be performed during the dormant season (December 1 to February 28) when it may be broadcast on top of the ground using traditional broadcast seeding equipment that has been cleaned to prevent the spread of weed seed from another site. Broadcasting may be accomplished by hand-held spreader, gravity drop seeded, cyclone spreader, sting seeding, or similar method.

Note: Seeding will take place in the areas where cut stumps will remain. Seeding will not occur in existing remnant prairie areas or other special vegetation areas as directed by the ENGINEER.

Seeding must be completed between December 1 and February 28. Seeding shall not occur within one month of herbicide applications within the proposed seeding area.

Method of Measurement. This work will be measured for payment in place, in acres of land seeded of the type specified.

Basis of Payment. This work will be paid for at the contract unit price per acre for PRAIRIE SEEDING (SPECIAL), which shall constitute payment in full for all labor, materials, equipment, and incidentals necessary to complete the work as specified herein.

TEMPORARY BYPASS PUMPING SYSTEM

Description. This work shall also consist of providing labor, tools, equipment, and materials necessary for bypass pumping (regardless of the water source) the waterway around the work areas so that the improvements are constructed in the dry. The bypass pumping shall be 24 hours per day, seven days per week as needed to maintain relatively dry conditions within the work zone.

Requirements – Sediment Filter Bags.

- A. Sediment filter bags to be sized based on volume of water being pumped and quantity and type of sediment.
- B. Multiple discharges into a single bag are not permitted.
- C. Sediment filter bag shall be oriented to direct flow away from construction area and discharge filtered water into approved manhole or other receiving area.
- D. Sediment filter bag shall be replaced when it becomes ½ full of sediment or when the sediment has reduced discharge flow rate below the design requirements.
- E. Place straps, cross chains, pallets or other lifting device under the sediment filter bag for ease of replacement.

Materials – Sediment Filter Bags. The filter bags shall be made from a nonwoven, needle punched, polypropylene geotextile that meets the following values:

Weight - Typical	ASTM D-5261	8 oz/sy
Tensile Strength	ASTM D-4632	205 lbs
Elongation @ Break	ASTM D-4632	50%
Mullen Burst*	ASTM D-3786	350 psi
Puncture Strength*	ASTM D-4833	120 lbs
CBR Puncture	ASTM D-6241	535 lbs
Trapezoidal Tear	ASTM D-4533	85 lbs
Apparent Opening Size	ASTM D-4751	80 US Sieve
Permittivity	ASTM D-4491	1.35 Sec-1
Water Flow Rate	ASTM D-4491	90 g/min/sf
UV Resistance @ 500 Hours	ASTM D-4355	70%

Method of Measurement and Basis of Payment. This work will be paid for at the contract unit price per LUMP SUM for TEMPORARY BYPASS PUMPING SYSTEM, which shall include all labor and equipment necessary to complete the above work.

TRAFFIC CONTROL AND PROTECTION, (SPECIAL)

Description. This work shall consist of all labor, materials, transportation, handling and incidental work necessary to furnish, install, maintain and remove all traffic control devices required and as approved by the Engineer.

Construction Requirements. The CONTRACTOR shall provide the ENGINEER, at the preconstruction meeting, a proposed plan for traffic control and protection throughout the duration of the project. At the preconstruction meeting, the CONTRACTOR shall furnish the name of the individual in his direct employ who is to be responsible for the installation and maintenance of the traffic control for this project. If the actual installation and maintenance are to be accomplished by a subcontractor, consent shall be requested of the ENGINEER at the time of the preconstruction meeting in accordance with Article 108.01 of the Standard Specifications. This shall not relieve the CONTRACTOR of the requirement to have a responsible individual in his direct employ supervise the work.

This pay item includes the necessary traffic signage and traffic control required to detour traffic onto Indian Creek Road. The detour plan is as follows:

- Eastbound Traffic Detour: Gilmer Road [LCDOT Route](ADT 11,600) northwest to Midlothian Road [IDOT Route] (ADT 11,600) southeast to IL-83 [IDOT Route](ADT 17,500) east to Diamond Lake Road [LCDOT Route](ADT 6250) south to Indian Creek Road.
- Westbound Traffic Detour: Diamond Lake Road [LCDOT Route](ADT 11,600) north to IL-83 [IDOT Route](ADT 17,500) west to Midlothian Road [IDOT Route](ADT 11,600) south to Gilmer Road [LCDOT Route](ADT 11,600).

The CONTRACTOR shall refer to the "Schedule of Signs" and detour plan on Plan Sheet #7 (Maintenance of Traffic – Detour Plan) for the types, exact locations, and spacing for the detour signage.

Two weeks advance notification to the Lake County Department of Transportation is required prior to the operation of the detour route.

Construction operations shall be conducted in a manner such that streets will be open to emergency traffic.

Method of Measurement. This work will not be measured for payment.

Basis of Payment. This work will be paid for at the contract lump sum price for TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

CONSTRUCTION LAYOUT

The CONTRACTOR shall be required to furnish and place construction layout stakes for this project. The ENGINEER will provide adequate reference points to the centerline of survey and benchmarks as shown in the plans and listed herein. Any additional control points set by the ENGINEER will be identified in the field to the CONTRACTOR and all field notes will be kept in the office of the ENGINEER.

The CONTRACTOR shall provide field forces, equipment and material to set all additional stakes for this project, which are needed to establish offset stakes, reference points, and any other horizontal or vertical controls, including supplementary benchmarks, necessary to secure a correct layout of the work. Stakes for line and grade shall be set at sufficient station intervals (not to exceed 15 m (50 ft.)) to assure substantial conformance to plan line and grade. The CONTRACTOR will not be required to set additional stakes to locate a utility line which is not included as a pay item in the contract nor to determine property lines between private properties.

The CONTRACTOR shall be responsible for having the finished work substantially conform to the lines, grades, elevations and dimensions called for in the plans. Any inspection or checking of the CONTRACTOR'S layout by the ENGINEER and the acceptance of all or any part of it shall not relieve the CONTRACTOR of his/her responsibility to secure the proper dimension, grades and elevations of the several parts of the work. The CONTRACTOR shall exercise care in the preservation of stakes and benchmarks and shall have them reset at his/her expense when any are damaged, lost, displaced or removed or otherwise obliterated.

Responsibility of the ENGINEER

- a. The ENGINEER will locate and reference the centerline of all roads and streets. The centerline of private entrances and short street intersection returns will not be located or referenced by the ENGINEER.

Locating and referencing the centerline of survey will consist of establishing and referencing the control points of the centerline of surveys such as PC's, PT's and as many POT's as are necessary to provide a line of sight.
- b. Benchmarks will be established along the project outside of the construction lines not exceeding 300 m (1,000 ft.) intervals horizontally and 6 m (20 ft.) vertically.
- c. Stakes set for (a) and (b) above will be identified in the field to the CONTRACTOR.
- d. The ENGINEER will make random checks of the CONTRACTOR'S staking to determine if the work is in substantial conformance with the plans. Where the CONTRACTOR'S work will tie into work that is being or will be done by others, checks will be made to determine if the work is in conformance with the proposed overall grade and horizontal alignment.
- e. The ENGINEER will set all stakes for utility adjustment for building fences along the right of way line by parties other than the CONTRACTOR.

- f. The ENGINEER will make all arrangements and take all cross sections from which the various pay items are to be measured.
- g. Where the CONTRACTOR, in setting construction stakes, discovers discrepancies, the ENGINEER will check to determine their nature and make whatever revisions are necessary in the plans, including the re-cross sectioning of the area involved. Any additional re-staking required by the ENGINEER will be the responsibility of the CONTRACTOR. The additional re-staking done by the CONTRACTOR will be paid for in accordance with 109.04 of the STANDARD SPECIFICATIONS.
- h. The ENGINEER will accept responsibility for the accuracy of the initial control points as provided herein.
- i. It is not the responsibility of the ENGINEER, except as provided herein, to check the correctness of the CONTRACTOR'S stakes; however, any errors that are apparent will be immediately called to the CONTRACTOR'S attention and s(he) shall be required to make the necessary correction before the stakes are used for construction purposes.
- j. Where the plan quantities for excavation are to be used as the final pay quantities, the ENGINEER will make sufficient checks to determine if the work has been completed in substantial conformance with the plan cross sections.

Responsibility of the CONTRACTOR

- a. The CONTRACTOR shall establish from the given survey points and benchmarks all the control points necessary to construct the individual project elements. S(he) shall provide the ENGINEER adequate control in close proximity to each individual element to allow adequate checking of construction operations. This includes, but is not limited to, line and grade stakes, line and grade nails in form work, and/or filed or etched marks in substantially completed construction work.

It is the CONTRACTOR'S responsibility to tie in centerline control points in order to preserve them during construction operations.
- b. At the completion of the grading operations, the CONTRACTOR will be required to set stakes at 30 m (100 ft.) station intervals along each profile grade line. These stakes will be used for final cross sectioning by the ENGINEER.
- c. All work shall be in accordance with normally accepted self-checking surveying practices. Field notes shall be kept in standard survey field notebooks and those books shall become the property of the ENGINEER at the completion of the project. All notes shall be neat, orderly and in accepted form.

Measurement and Payment. This work will be paid for at the contract LUMP SUM price for CONSTRUCTION LAYOUT, which shall be payment in full for all labor, materials, transportation, and incidentals necessary to furnish, install, maintain, replace, and relocate all control and stationing points for the duration of the project.

CONCRETE RIBBON REMOVAL AND REPLACEMENT

Description. This item shall be used to remove existing concrete ribbon at the locations shown in the plans and then constructing a 24" (2') wide PCC shoulders at the edge of the existing asphalt pavement. This item includes excavation, pavement removal, 4" granular subbase, 9 inch PCC shoulder, filling gap between asphalt and new shoulder with Portland Cement Concrete, and backfilling the shoulder. The 4 inch Granular Subbase shall be compacted CA-6. This work shall be completed in accordance with Section 483 of the Standard Specification, the typical sections included herein, IDOT Standards 420001 and 483001 except for the following modifications:

- Contraction joint spacing shall be 15' c-c maximum.
- $\frac{3}{4}$ " preformed joint filler expansion joint spacing 60' c-c maximum and at all points of curvature. 2-1" diameter by 18" long smooth epoxy coated dowel bars with greased expansion sleeves at one end will be required. Dowels to be placed at mid-depth of concrete.
- Tie bars will not be installed.
- Concrete shall have a broom finish.
- Portland Cement Concrete shall be installed between the existing pavement and concrete shoulder after the concrete shoulder has cured. This area shall be free of debris material prior to the concrete being installed. The Contractor shall place, work, and finish the material according to Articles 420 and 483 of the Standard Specifications.
- All necessary embankment for backfill shall be included in this pay item. The Contractor can use stone CA-7 or grindings on backside of the concrete shoulder to 6 inches below grade. The material must be machine compacted. The other 6 inches shall be topsoil.
- Contractor shall construct the new PCC shoulder $\frac{1}{4}$ " below the new pavement for this project except where there is existing curb and gutter on the other side of the street. It shall be the Contractor's responsibility to set the profile for the proposed PCC shoulders. Setting the profile shall be included in the cost of this item.
- Must be machine poured.
- The concrete shall be cured.
- The excavation for the PCC shoulder will require the use of a 3' wide grinder.
- The back of the PCC ribbon shall be no more than 16 inches beyond the existing pavement.
- Approximately 2" of roadway shall be sawcut for the proposed ribbon per section 442 of the Standard Specifications as directed by the ENGINEER.

Method of Measurement and Basis of Payment. This work will be paid for at the contract unit price per linear foot for CONCRETE RIBBON REMOVAL AND REPLACEMENT of the thickness specified, which shall include all labor and equipment necessary to complete the above work.

COFFERDAMS, SEDIMENT FILTER BAG AND DEWATERING

Description. This work shall consist of installing, maintaining and removing a temporary sandbag cofferdam that closes the work zone from the creek water. The temporary sandbag cofferdam must be maintained as to allow the contractor to work "in the dry" and to control sediment. The cofferdam shall protect the site as required by the Project Permits, approved shop drawings, the special provision and plans, and as directed by the Engineer.

The cofferdams shall be designed, constructed and removed with the Engineer's approval.

Materials. Any substance used to assemble or maintain cofferdams shall be nontoxic and non-hazardous. Any material used to minimize seepage underneath diversion structures, such as grout, shall be non-toxic, non-hazardous, and as close to neutral pH (7) as possible.

The exterior of vehicles and equipment that will be within the coffered area shall be maintained free of grease, oil, fuel, and residues.

Cofferdam overflow height shall be 6 inches above NWL.

Construction Requirements. Stationary equipment such as motors, pumps, etc. located within the work area or adjacent to a water body shall be positioned over drip pans or other confinement area. All equipment shall be stored outside of the floodplain when not in use to avoid inundation during a high water event.

Dewatering shall be as specified below and included in the cost of this item.

Bypass pumping shall be as specified in the below and included in the cost of this item.

Contractor shall restore ground to the satisfaction of the Engineer and included in the cost of this item.

Excavated material or spoils resulting from the activity shall be removed from the coffered area as soon as possible and shall not remain overnight.

Place the impermeable barrier on the bottom of the water feature. The barrier should extend out past the edge of the future cofferdam a sufficient length so that it can be pulled back over the rip rap after it has been installed. This will create a seamless barrier on the water side with the opening seam on the work area side. After the barrier is pulled over the rip rap, it will likely be necessary to hold the impermeable barrier in place with rip rap or sandbags.

Contractor shall size rip rap appropriately to ensure that the cofferdam is able to withstand design flows.

Because the potential for washout is high, the Contractor shall monitor the cofferdam daily and must not be left unattended for longer than 24 hours. Weather reports should be observed. If a storm event is expected, the site shall be stabilized in preparation as appropriate. All repairs shall be made immediately to prevent further damage to the installation..

Contractor shall regularly inspect cofferdams for leaks or other deficiencies. Sandbags used within the cofferdam, if applicable, must be removed by hand to prevent breakage. All disturbed soil within the coffered area shall be returned to original condition with all possible efforts made to retain the existing soil profile prior to the removal of the dams.

Shop Drawings. Prior to scheduling any work within the water, the Contractor shall receive Engineer's review on the following Contractor submitted items.

1. Construction sequencing schedule with anticipated dates of work.
2. Sketch showing location of cofferdam, cofferdam effective retaining height above Normal Water Level, location of dewatering pumps, and erosion\sediment control measures needed to construct the proposed improvements within and adjacent to the cofferdam.

DEWATERING

Description. Dewatering. This work shall consist of providing labor, tools, equipment, and materials necessary for dewatering (regardless of the water source) all work areas to relatively dry conditions as determined by the Engineer and maintain suitable working conditions and sediment control so that the improvements are constructed in the dry. The dewatering shall be 24 hours a day, seven days per week as needed to maintain relatively dry conditions for events up to the 2-Yr storm event.

By-Pass Pumping. This work shall also consist of providing labor, tools, equipment, and materials necessary for by-pass pumping (regardless of the water source) Indian Creek around the work areas so that the improvements are constructed in the dry. The by-pass pumping shall be 24 hours a day, seven days per week as needed to maintain relatively dry conditions within the work zone. **All disturbed areas shall be stabilized at the end of the working day (temporary stabilization measures shall not be paid for separately, but shall be considered included in the cost of this item).**

Products. Contractor shall be responsible for the choice of the product(s) and equipment as well as "means and methods" for the Site Dewatering Work to be performed subject to the review of the Engineer. All products and "means and methods" selected shall be adequate for the intended use/application. Engineer's review does not relieve the Contractor from compliance with the requirements of this special provision.

Submittals. Contractor shall submit to Engineer for review a description of dewatering techniques and equipment to be used, together with detail drawings showing lengths of discharge piping and point(s) of discharge including sediment and erosion control procedures using Best Management Practices. Engineer's review of dewatering techniques and equipment shall in no way be construed as creating any obligation on the Owner for same.

Best Management Practices are anticipated (but not limited to) to include:

- Sump Pit
- Pumps, Hoses, Etc.
- Point Source Discharge Protection (Rip Rap with Vegetative Buffer, Etc)
- Rock Checks

Ditch Checks

Geotextile Fabric

Dewatering Filter Bags

Removal and proper disposal of all BMP's and sediment associated with dewatering

Additional erosion and sediment control BMP's as per Engineer's direction

Noise abatement.

Responsibility. The Contractor shall be solely responsible for the choice of product(s) and equipment; for the design, installation, and operation; as well as "means and methods" of performing the Work; and subsequent removal of dewatering systems and their safety and conformity with local codes, regulations and these Specifications. All product(s), equipment and "means and methods" selected shall be adequate for the intended use/application. Review by Engineer does not relieve Contractor from compliance with the requirements specified herein.

General Requirements. The Contractor shall select the pumps he/she desires to use and the rate at which the pumps discharge, with adequate protection at the pump discharge shall be provided by the Contractor, subject to review by the Engineer. The Contractor shall ensure that downstream water quality shall not be impaired. Contractor shall position pumps/generators as far away from private residences as possible and outside the creek bank top. The Contractor shall provide noise abatement as directed by the Engineer. Electric pumps are highly encouraged.

At all times during the excavation period and until completion and acceptance of the Work at Final Inspection, ample means and equipment shall be provided with which to remove promptly and dispose of properly all water (including ground water, river water, storm sewer water, storm runoff, and water generated from Contractor's activities) entering any excavation or any other parts of the Work.

Water pumped or drained from the work required for this Contract shall be disposed of in a safe and suitable manner without damage to adjacent waterways, adjacent property or streets or to other work under construction. Water shall be discharged with adequate erosion and sediment control protection of the surface at the point of discharge. No water shall be discharged into sanitary sewers. No water shall be discharged into storm sewers. Any and all damages caused by dewatering the work shall be promptly repaired by the Contractor. The Contractor is responsible for providing any and all labor, materials and equipment needed for the DEWATERING in order to meet the scheduled completion of the project.

Cost of dewatering work zone after storm events is included in the cost of this item.

Contractor may propose other means/methods for controlling sediment and minimizing construction duration.

Method of Measurement and Basis of Payment. This work will be paid for at the contract unit price per LUMP SUM for SANDBAG COFFERDAMS, SEDIMENT FILTER BAG AND DEWATERING, which price shall include all equipment, material, and labor to complete the work as specified to clear and remove all vegetation.

SILT FENCE

Description. This work shall consist of furnishing and installing, and all necessary maintenance as determined by the Engineer, and removal of each SILT FENCE as shown on the plans. All excavation, dewatering, linear sediment basin, perforated riser pipes, floc logs, rock check dams, filter fabric, and any other items determined by the Engineer in the field shall be included in this item.

The Contractor shall submit a plan for the SILT FENCE and associated linear sediment basin for review and approval two (2) weeks prior to construction commencement.

Method of Measurement and Basis of Payment. This work will be measured and paid for at the contract unit price per FOOT for SILT FENCE, which price shall be payment in full for constructing this item as specified, including all materials, labor and equipment.

ITEMS ORDERED BY THE ENGINEER

Description. This item will be used at the discretion of the ENGINEER for items including, but not limited to, restoration, investigation and repair/replacement of items discovered on site, and/or other modifications as determined in the field by the Engineer.

General Requirements. Work shall be done under this item as directed by the Engineer.

Basis of Payment. This work will be paid for in units of one dollar (\$1.00) under ITEMS ORDERED BY THE ENGINEER. Before work begins, the ENGINEER and the CONTRACTOR shall agree to the amount to be paid for each item of work.

(D1) DRAINAGE AND INLET PROTECTION UNDER TRAFFIC

Effective: April 1, 2011

Revised: April 2, 2011

Add the following to Article 603.02 of the Standard Specifications:

- “ (i) Temporary Hot-Mix Asphalt (HMA) Ramp (Note 1)
 (j) Temporary Rubber Ramps (Note 2)

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Note 1. The HMA shall have maximum aggregate size of 3/8 in. (95 mm).

Note 2. The rubber material shall be according to the following.

Property	Test Method	Requirement
Durometer Hardness, Shore A	ASTM D 2240	75 ±15
Tensile Strength, psi (kPa)	ASTM D 412	300 (2000) min
Elongation, percent	ASTM D 412	90 min
Specific Gravity	ASTM D 792	1.0 - 1.3
Brittleness, °F (°C)	ASTM D 746	-40 (-40)''

Revise Article 603.07 of the Standard Specifications to read:

“**603.07 Protection Under Traffic.** After the casting has been adjusted and the Class PP concrete has been placed, the work shall be protected by a barricade and two lights according to Article 701.17(e)(3)b.

When castings are under traffic before the final surfacing operation has been started, properly sized temporary ramps shall be placed around the drainage and/or utility castings according to the following methods.

- (a) Temporary Asphalt Ramps. Temporary hot-mix asphalt ramps shall be placed around the casting, flush with its surface and decreasing to a featheredge in a distance of 2 ft (600 mm) around the entire surface of the casting.
- (b) Temporary Rubber Ramps. Temporary rubber ramps shall only be used on roadways with permanent posted speeds of 40 mph or less and when the height of the casting to be protected meets the proper sizing requirements for the rubber ramps as shown below.

Dimension	Requirement
Inside Opening	Outside dimensions of casting + 1 in. (25 mm)
Thickness at inside edge	Height of casting ± 1/4 in. (6 mm)

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Thickness at outside edge	1/4 in. (6 mm) max.
Width, measured from inside opening to outside edge	8 1/2 in. (215 mm) min

Placement shall be according to the manufacturer's specifications.

Temporary ramps for castings shall remain in place until surfacing operations are undertaken within the immediate area of the structure. Prior to placing the surface course, the temporary ramp shall be removed. Excess material shall be disposed of according to Article 202.03."

(D1) FRICTION AGGREGATE

Effective: January 1, 2011
 Revised: December 1, 2021

Revise Article 1004.03(a) of the Standard Specifications to read:

"1004.03 Coarse Aggregate for Hot-Mix Asphalt (HMA). The aggregate shall be according to Article 1004.01 and the following.

(a) Description. The coarse aggregate for HMA shall be according to the following table.

Use	Mixture	Aggregates Allowed
Class A	Seal or Cover	<u>Allowed Alone or in Combination</u> ^{5/} : Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag Crushed Concrete

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Use	Mixture	Aggregates Allowed
HMA Low ESAL	Stabilized Subbase or Shoulders	<u>Allowed Alone or in Combination</u> ^{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	<u>Allowed Alone or in Combination</u> ^{5/6/} : 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 Binder IL-9.5 IL-9.5FG or IL-9.5L	<u>Allowed Alone or in Combination</u> ^{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 Binder IL-9.5 or IL-9.5FG	<u>Allowed Alone or in Combination</u> ^{5/} : Crushed Gravel Carbonate Crushed Stone (other than Limestone) ^{2/} Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag ^{4/}
		<u>Other Combinations Allowed:</u>

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Use	Mixture	Aggregates Allowed	
		Up to...	With...
		25% Limestone	Dolomite
		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> ^{5/6/} :	
		Crushed Gravel Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag 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 ^{2/}	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> ^{5/6/} :	
		Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone.	

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Use	Mixture	Aggregates Allowed	
		<u>Other Combinations Allowed:</u>	
		<i>Up to...</i>	<i>With...</i>
		50% Crushed Gravel ^{2/} 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 (limestone) and/or crushed gravel shall not be used in SMA Ndesign 80.
- 3/ Crushed concrete will not be permitted in SMA mixes.
- 4/ Crushed steel slag shall not be used as binder.
- 5/ When combinations of aggregates are used, the blend percent measurements shall be by volume.”
- 6/ Combining different types of aggregate will not be permitted in SMA Ndesign 80.”

(D1) HOT-MIX ASPHALT BINDER AND SURFACE COURSE

Effective: November 1, 2019

Revised: December 1, 2021

Revise Article 1004.03(c) to read:

“(c) Gradation. The coarse aggregate gradations shall be as listed in the following table.

Use	Size/Application	Gradation No.
Class A-1, A-2, & A-3	3/8 in. (10 mm) Seal	CA 16 or CA 20
Class A-1	1/2 in. (13 mm) Seal	CA 15
Class A-2 & A-3	Cover Coat	CA 14
HMA High ESAL	IL-19.0; Stabilized Subbase IL-19.0	CA 11 ^{1/}
	SMA 12.5 ^{2/}	CA 13 ^{4/} , CA 14, or CA 16
	SMA 9.5 ^{2/}	CA 13 ^{3/4/} or CA 16 ^{3/}
	IL-9.5	CA 16, CM 13 ^{4/}
	IL-9.5FG	CA 16
HMA Low ESAL	IL-19.0L	CA 11 ^{1/}
	IL-9.5L	CA 16

1/ CA 16 or CA 13 may be blended with the CA 11.

2/ The coarse aggregates used shall be capable of being combined with the fine aggregates and mineral filler to meet the approved mix design and the mix requirements noted herein.

3/ The specified coarse aggregate gradations may be blended.

4/ CA 13 shall be 100 percent passing the 1/2 in. (12.5mm) sieve.”

Revise Article 1004.03(e) of the Supplemental Specifications to read:

“(e) Absorption. For SMA the coarse aggregate shall also have water absorption ≤ 2.0 percent.”

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Revise the “High ESAL” portion of the table in Article 1030.01 to read:

“High ESAL	Binder Courses	IL-19.0, IL-9.5, IL-9.5FG, IL-4.75, SMA 12.5, Stabilized Subbase IL-19.0
	Surface Courses	IL-9.5, IL-9.5FG, SMA 12.5, SMA 9.5”

Revise Note 2. and add Note 6 to Article 1030.02 of the Standard Specifications to read:

“Item	Article/Section
(g) Performance Graded Asphalt Binder (Note 6)	1032
(h) Fibers (Note 2)	

Note 2. 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. Reclaimed Asphalt Shingles (RAS) may be used in Stone Matrix Asphalt (SMA) mixtures designed with an SBA polymer modifier as a fiber additive if the mix design with RAS included meets AASHTO T305 requirements. The RAS shall be from a certified source that produces either Type 1 or Type 2. Material shall meet requirements noted herein and the actual dosage rate will be determined by the Engineer.

Note 6. 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, except where modified herein. The asphalt binder shall be a SBS PG 76-22 for IL-4.75, except where modified herein..”

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

"MIXTURE COMPOSITION (% PASSING) ^{1/}												
Sieve Size	IL-19.0 mm		SMA 12.5		SMA 9.5		IL-9.5mm		IL-9.5FG		IL-4.75 mm	
	min	max	min	max	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	80	100		100		100		100		100
3/8 in. (9.5 mm)				65	90	100	90	100	90	100		100
#4 (4.75 mm)	40	60	20	30	36	50	34	69	60	75 ^{6/}	90	100
#8 (2.36 mm)	20	42	16	24 ^{4/}	16	32 ^{4/}	34 ^{5/}	52 ^{2/}	45	60 ^{6/}	70	90
#16 (1.18 mm)	15	30					10	32	25	40	50	65
#30 (600 μm)			12	16	12	18			15	30		
#50 (300 μm)	6	15					4	15	8	15	15	30
#100 (150 μm)	4	9					3	10	6	10	10	18
#200 (75 μm)	3.0	6.0	7.0	9.0 ^{3/}	7.5	9.5 ^{3/}	4.0	6.0	4.0	6.5	7.0	9.0 ^{3/}
#635 (20 μm)			≤ 3.0		≤ 3.0							
Ratio Dust/Asphalt Binder		1.0		1.5		1.5		1.0		1.0		1.0

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/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted above the percentage stated on the table.

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- 5/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted below 34 percent.
- 6/ When the mixture is used as a binder, the maximum shall be increased by 0.5 percent passing."

Revise Article 1030.05(b) of the Standard Specifications to read:

(b) Volumetric Requirements. The target value for the air voids of the HMA shall be 4.0 percent, for IL-4.75 and SMA mixtures it shall be 3.5 percent and for Stabilized Subbase it shall be 3.0 percent at the design number of gyrations. The voids in the mineral aggregate (VMA) and voids filled with asphalt binder (VFA) of the HMA design shall be based on the nominal maximum size of the aggregate in the mix and shall conform to the following requirements.

Mix Design	Voids in the Mineral Aggregate (VMA), % Minimum for Ndesign				
	30	50	70	80	90
IL-19.0		13.5	13.5		13.5
IL-9.5		15.0	15.0		
IL-9.5FG		15.0	15.0		
IL-4.75 ^{1/}		18.5			
SMA-12.5 ^{1/2/5/}				17.0 ^{3/} /16.0 ^{4/}	
SMA-9.5 ^{1/2/5/}				17.0 ^{3/} /16.0 ^{4/}	
IL-19.0L	13.5				
IL-9.5L	15.0				

- 1/ Maximum draindown shall be 0.3 percent according to Illinois Modified AASHTO T 305.
- 2/ The draindown shall be determined at the JMF asphalt binder content at the mixing temperature plus 30°F.
- 3/ Applies when specific gravity of coarse aggregate is ≥ 2.760 .
- 4/ Applies when specific gravity of coarse aggregate is < 2.760 .
- 5/ For surface course, the coarse aggregate can be crushed steel slag, crystalline crushed stone or crushed sandstone. For binder course, coarse aggregate shall be crushed stone (dolomite), crushed gravel, crystalline crushed stone, or crushed sandstone"

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Revise the last paragraph of Article 1102.01 (a) (5) of the Standard Specifications to read:

“IL-4.75 and Stone Matrix Asphalt (SMA) mixtures which contain aggregate having absorptions greater than or equal to 2.0 percent, or which contain steel slag sand, shall have minimum surge bin storage plus haul time of 1.5 hours.”

Add after third sentence of Article 1030.09(b) to read:

“ If the Contractor and Engineer agree the nuclear density test method is not appropriate for the mixture, cores shall be taken at random locations determined according to the QC/QA document "Determination of Random Density Test Site Locations". Core densities shall be determined using the Illinois Modified AASHTO T 166 or T 275 procedure.”

Revise Table 1 and Note 4/ of Table 1 in Article 406.07(a) of the Standard Specifications to read:

	Breakdown/Intermediate Roller (one of the following)	Final Roller (one or more of the following)	Density Requirement
IL-9.5, IL-9.5FG, IL-19.0 ^{1/}	V _D , P, T _B , 3W, O _T , O _B	V _S , T _B , T _F , O _T	As specified in Section 1030
IL-4.75 and SMA ^{3/} _{4/}	T _B , 3W, O _T	T _F , 3W	As specified in Section 1030
Mixtures on Bridge Decks ^{2/}	T _B	T _F	As specified in Articles 582.05 and 582.06.

“4/ The Contractor shall provide a minimum of two steel-wheeled tandem rollers (T_B), and/or three-wheel (3W) rollers for breakdown, except one of the (T_B) or (3W) rollers shall be 84 inches (2.14 m) wide and a weight of 315 pound per linear inch (PLI) (5.63 kg/mm) and one of the (T_B) or (3W) rollers can be substituted for an oscillatory roller (O_T). T_F rollers shall be a minimum of 280 lb/in. (50 N/mm). The 3W and T_B rollers shall be operated at a uniform speed not to exceed 3 mph (5 km/h), with the drive roll for T_B rollers nearest the paver and maintain an effective rolling distance of not more than 150 ft (45 m) behind the paver.”

Add the following after the fourth paragraph of Article 406.13 (b):

“The plan quantities of SMA mixtures shall be adjusted using the actual approved binder and surface Mix Design’s G_{mb}.”

Revise first paragraph of Article 1030.10 of the Standard Specifications to read:

“A test strip of 300 ton (275 metric tons), except for SMA mixtures it will be 400 ton (363 metric ton), will be required for each mixture on each contract at the beginning of HMA production for each construction year according to the Manual of Test Procedures for Materials “Hot Mix Asphalt Test Strip

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Procedures". At the request of the Producer, the Engineer may waive the test strip if previous construction during the current construction year has demonstrated the constructability of the mix using Department test results."

Revise third paragraph of Article 1030.10 of the Standard Specifications to read:

"When a test strip is constructed, the Contractor shall collect and split the mixture according to the document "Hot-Mix Asphalt Test Strip Procedures". The Engineer, or a representative, shall deliver split sample to the District Laboratory for verification testing. The Contractor shall complete mixture tests stated in Article 1030.09(a). Mixture sampled shall include enough material for the Department to conduct mixture tests detailed in Article 1030.09(a) and in the document "Hot-Mix Asphalt Mixture Design Verification Procedure" Section 3.3. The mixture test results shall meet the requirements of Articles 1030.05(b) and 1030.05(d), except Hamburg wheel tests will only be conducted on High ESAL mixtures during production."

(D1) HOT-MIX ASPHALT – MIXTURE DESIGN VERIFICATION AND PRODUCTION

Effective: January 1, 2019
 Revised: December 1, 2021

Add to Article 1030.05 (d)(3) of the Standard Specifications to read:

“ During mixture design, prepared samples shall be submitted to the District laboratory by the Contractor for verification testing. The required testing, and number and size of prepared samples submitted, shall be according to the following tables.

High ESAL – Required Samples for Verification Testing	
Mixture	Hamburg Wheel and I-FIT Testing ^{1/2/}
Binder	total of 3 - 160 mm tall bricks
Surface	total of 4 - 160 mm tall bricks

Low ESAL – Required Samples for Verification Testing	
Mixture	I-FIT Testing ^{1/2/}
Binder	1 - 160 mm tall brick
Surface	2 - 160 mm tall bricks

- 1/ The compacted gyratory bricks for Hamburg wheel and I-FIT testing shall be 7.5 ± 0.5 percent air voids.
- 2/ If the Contractor does not possess the equipment to prepare the 160 mm tall brick(s), twice as many 115 mm tall compacted gyratory bricks will be acceptable.

Revise the fourth paragraph of Article 1030.10 of the Standard Specifications to read:

“When a test strip is not required, each HMA mixture shall still be sampled on the first day of production: I-FIT and Hamburg wheel testing for High ESAL; I-FIT testing for Low ESAL. Within two working days after sampling the mixture, the Contractor shall deliver gyratory cylinders to the District laboratory for Department verification testing. The High ESAL mixture test results shall meet the requirements of Articles 1030.05(d)(3) and 1030.05(d)(4). The Low ESAL mixture test results shall meet the requirements of Article 1030.05(d)(4). The required number and size of prepared samples submitted for the Hamburg wheel and I-FIT testing shall be according to the “High ESAL - Required Samples for Verification Testing” table in Article 1030.05(d)(3) above.”

Add the following to the end of Article 1030.10 of the Standard Specifications to read:

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“Mixture sampled during first day of production shall include approximately 60 lb (27 kg) of additional material for the Department to conduct Hamburg wheel testing and approximately 80 lb (36 kg) of additional material for the Department to conduct I-FIT testing. Within two working days after sampling, the Contractor shall deliver prepared samples to the District laboratory for verification testing. The required number and size of prepared samples submitted for the Hamburg wheel and I-FIT testing shall be according to the “High ESAL - Required Samples for Verification Testing” table in Article 1030.05(d)(3) above.”

density verification locations. The Engineer will test the cores collected by the Contractor for density according to Illinois Modified AASHTO T 166 or AASHTO T 275.

If nuclear density gauge testing is the density verification method, the Engineer will conduct nuclear density gauge tests. The Engineer will follow the density testing procedure detailed in the document "Illinois Modified ASTM D 2950, Standard Test Method for Density of Bituminous Concrete In-Place by Nuclear Method".

A density verification test will be the result of a single core or the average of the nuclear density tests at one location. The results of each density test must be within acceptable limits. The Engineer will promptly notify the Contractor of observed deficiencies."

Revise the seventh paragraph and all subsequent paragraphs in Section D. of the document "Hot-Mix Asphalt QC/QA Initial Daily Plant and Random Samples" to read:

"Mixtures shall be sampled from the truck at the plant by the Contractor following the same procedure used to collect QC mixture samples (Section A). This process will be witnessed by the Engineer who will take custody of the verification sample. Each sample bag with a verification mixture sample will be secured by the Engineer using a locking ID tag. Sample boxes containing the verification mixture sample will be sealed/taped by the Engineer using a security ID label."

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

grinding method or micronizing through a cryogenic process. GTR shall not exceed 1/16 in. (2 mm) in any dimension and shall not contain free metal particles, moisture that would cause foaming of the asphalt, or other foreign materials. A mineral powder (such as talc) meeting the requirements of AASHTO M 17 may be added, up to a maximum of four percent by weight of GTR to reduce sticking and caking of the GTR particles. When tested in accordance with Illinois Modified AASHTO T 27 "Standard Method of Test for Sieve Analysis of Fine and Coarse Aggregates" or AASHTO PP 74 "Standard Practice for Determination of Size and Shape of Glass Beads Used in Traffic Markings by Means of Computerized Optical Method", a 50 g sample of the GTR shall conform to the following gradation requirements.

Sieve Size	Percent Passing
No. 16 (1.18 mm)	100
No. 30 (600 µm)	95 ± 5
No. 50 (300 µm)	> 20

GTR modified asphalt binder shall be tested for rotational viscosity according to AASHTO T 316 using spindle S27. GTR modified asphalt binder shall be tested for original dynamic shear and RTFO dynamic shear according to AASHTO T 315 using a gap of 2 mm.

The GTR modified asphalt binder shall meet the requirements of Table 3.

Table 3 - Requirements for Ground Tire Rubber (GTR) Modified Asphalt Binders		
Test	Asphalt Grade GTR PG 64-28 GTR PG 70-22	Asphalt Grade GTR PG 76-22 GTR PG 76-28 GTR PG 70-28
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	60 min.	70 min.

- (3) **Softerer Modification (SM).** Softener modification is the addition of organic compounds, such as engineered flux, bio-oil blends, modified vegetable oils, glycol amines, and fatty acid derivatives, to the base asphalt binder to achieve the specified performance grade. Softeners shall be dissolved, dispersed, or reacted in the asphalt binder to enhance its performance and shall remain compatible with the asphalt binder with no separation. Softeners shall not be added to modified PG asphalt binder as defined in Articles 1032.05(b)(1) or 1032.05(b)(2).

An Attenuated Total Reflectance-Fourier Transform Infrared spectrum (ATR-FTIR) shall be collected for both the softening compound as well as the softener modified

asphalt binder at the dose intended for qualification. The ATR-FTIR spectra shall be collected on unaged softener modified binder, 20-hour Pressurized Aging Vessel (PAV) aged softener modified binder, and 40-hour PAV aged softener modified binder. The ATR-FTIR shall be collected in accordance with Illinois Test Procedure 601. The electronic files spectral files (in one of the following extensions or equivalent: *.SPA, *.SPG, *.IRD, *.IFG, *.CSV, *.SP, *.IRS, *.GAML, *. [0-9], *.IGM, *.ABS, *.DRT, *.SBM, *.RAS) shall be submitted to the Central Bureau of Materials.

Softener modified asphalt binders shall meet the requirements in Table 4.

Table 4 - Requirements for Softener Modified Asphalt Binders	
Test	Asphalt Grade
Small Strain Parameter (AASHTO PP 113) BBR, ΔTc, 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	-5°C min.
Large Strain Parameter (Illinois Modified AASHTO T 391) DSR/LAS Fatigue Property, Δ G* _{peak} τ, 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	≥ 54 %

The following grades may be specified as tack coats.

Asphalt Grade	Use
PG 58-22, PG 58-28, PG 64-22	Tack Coat"

Revise Article 1031.06(c)(1) and 1031.06(c)(2) of the Standard Specifications to read:

“(1) RAP/RAS. When RAP is used alone or RAP is used in conjunction with RAS, the percentage of virgin ABR shall not exceed the amounts listed in the following table.

HMA Mixtures - RAP/RAS Maximum ABR % ^{1/2/}			
N _{design}	Binder	Surface	Polymer Modified Binder or Surface ^{3/}
30	30	30	10
50	25	15	10
70	15	10	10
90	10	10	10

1/ For Low ESAL HMA shoulder and stabilized subbase, 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 PG 64-22 to be reduced to a PG 58-28).
- 3/ The maximum ABR percentages for ground tire rubber (GTR) modified mixes shall be equivalent to the percentages specified for SBS/SBR polymer modified mixes.
- (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 following table.

HMA Mixtures - FRAP/RAS Maximum ABR % ^{1/ 2/}			
Ndesign	Binder	Surface	Polymer Modified Binder or Surface ^{3/}
30	55	45	15
50	45	40	15
70	45	35	15
90	45	35	15
SMA	--	--	25
IL-4.75	--	--	35

- 1/ For Low ESAL HMA shoulder and stabilized subbase, 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 PG 64-22 to be reduced to a PG 58-28).
- 3/ The maximum ABR percentages for GTR modified mixes shall be equivalent to the percentages specified for SBS/SBR polymer modified mixes."

Add the following to the end of Note 2 of Article 1030.03 of the Standard Specifications.

"A dedicated storage tank for the ground tire rubber (GTR) modified asphalt binder shall be provided. This tank shall be capable of providing continuous mechanical mixing throughout and/or recirculation of the asphalt binder to provide a uniform mixture. The tank shall be heated and capable of maintaining the temperature of the asphalt binder at 300 °F to 350 °F (149 °C to 177 °C). The asphalt binder metering systems of dryer drum plants shall be calibrated with the actual GTR modified asphalt binder material with an accuracy of ±0.40 percent."

PORTLAND CEMENT CONCRETE (BDE)

Effective: August 1, 2023

Revise the second paragraph of Article 1103.03(a)(4) the Standard Specifications to read:

“The dispenser system shall provide a visual indication that the liquid admixture is actually entering the batch, such as via a transparent or translucent section of tubing or by independent check with an integrated secondary metering device. If approved by the Engineer, an alternate indicator may be used for admixtures dosed at rates of 25 oz/cwt (1630 mL/100 kg) or greater, such as accelerating admixtures, corrosion inhibitors, and viscosity modifying admixtures.”

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SEEDING (BDE)

Effective: November 1, 2022

Revise Article 250.07 of the Standard Specifications to read:

“250.07 Seeding Mixtures. The classes of seeding mixtures and combinations of mixtures will be designated in the plans.

When an area is to be seeded with two or more seeding classes, those mixtures shall be applied separately on the designated area within a seven day period. Seeding shall occur prior to placement of mulch cover. A Class 7 mixture can be applied at any time prior to applying any seeding class or added to them and applied at the same time.

TABLE 1 - SEEDING MIXTURES		
Class - Type	Seeds	lb/acre (kg/hectare)
1 Lawn Mixture 1/	Kentucky Bluegrass Perennial Ryegrass <i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue)	100 (110) 60 (70) 40 (50)
1A Salt Tolerant Lawn Mixture 1/	Kentucky Bluegrass Perennial Ryegrass <i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue) <i>Festuca brevipilla</i> (Hard Fescue) <i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass)	60 (70) 20 (20) 20 (20) 20 (20) 60 (70)
1B Low Maintenance Lawn Mixture 1/	Turf-Type Fine Fescue 3/ Perennial Ryegrass Red Top <i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue)	150 (170) 20 (20) 10 (10) 20 (20)
2 Roadside Mixture 1/	<i>Lolium arundinaceum</i> (Tall Fescue) Perennial Ryegrass <i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue) Red Top	100 (110) 50 (55) 40 (50) 10 (10)
2A Salt Tolerant Roadside Mixture 1/	<i>Lolium arundinaceum</i> (Tall Fescue) Perennial Ryegrass <i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue) <i>Festuca brevipilla</i> (Hard Fescue) <i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass)	60 (70) 20 (20) 30 (20) 30 (20) 60 (70)
3 Northern Illinois Slope Mixture 1/	<i>Elymus canadensis</i> (Canada Wild Rye) 5/ Perennial Ryegrass Alsike Clover 4/ <i>Desmanthus illinoensis</i> (Illinois Bundleflower) 4/ 5/ <i>Schizachyrium scoparium</i> (Little Bluestem) 5/ <i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/ <i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass) Oats, Spring Slender Wheat Grass 5/ Buffalo Grass 5/ 7/	5 (5) 20 (20) 5 (5) 2 (2) 12 (12) 10 (10) 30 (35) 50 (55) 15 (15) 5 (5)
3A Southern Illinois Slope Mixture 1/	Perennial Ryegrass <i>Elymus canadensis</i> (Canada Wild Rye) 5/ <i>Panicum virgatum</i> (Switchgrass) 5/ <i>Schizachyrium scoparium</i> (Little Blue Stem) 5/ <i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/ <i>Dalea candida</i> (White Prairie Clover) 4/ 5/ <i>Rudbeckia hirta</i> (Black-Eyed Susan) 5/ Oats, Spring	20 (20) 20 (20) 10 (10) 12 (12) 10 (10) 5 (5) 5 (5) 5 (5) 50 (55)

Class – Type	Seeds	lb/acre (kg/hectare)
4 Native Grass 2/ 6/	<i>Andropogon gerardi</i> (Big Blue Stem) 5/	4 (4)
	<i>Schizachyrium scoparium</i> (Little Blue Stem) 5/	5 (5)
	<i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/	5 (5)
	<i>Elymus canadensis</i> (Canada Wild Rye) 5/	1 (1)
	<i>Panicum virgatum</i> (Switch Grass) 5/	1 (1)
	<i>Sorghastrum nutans</i> (Indian Grass) 5/	2 (2)
	Annual Ryegrass	25 (25)
	Oats, Spring	25 (25)
	Perennial Ryegrass	15 (15)
	4A Low Profile Native Grass 2/ 6/	<i>Schizachyrium scoparium</i> (Little Blue Stem) 5/
<i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/		5 (5)
<i>Elymus canadensis</i> (Canada Wild Rye) 5/		1 (1)
<i>Sporobolus heterolepis</i> (Prairie Dropseed) 5/		0.5 (0.5)
Annual Ryegrass		25 (25)
Oats, Spring		25 (25)
Perennial Ryegrass		15 (15)
4B Wetland Grass and Sedge Mixture 2/ 6/	Annual Ryegrass	25 (25)
	Oats, Spring	25 (25)
	Wetland Grasses (species below) 5/	6 (6)
<u>Species:</u>		<u>% By Weight</u>
<i>Calamagrostis canadensis</i> (Blue Joint Grass)		12
<i>Carex lacustris</i> (Lake-Bank Sedge)		6
<i>Carex slipata</i> (Awl-Fruited Sedge)		6
<i>Carex stricta</i> (Tussock Sedge)		6
<i>Carex vulpinoidea</i> (Fox Sedge)		6
<i>Eleocharis acicularis</i> (Needle Spike Rush)		3
<i>Eleocharis obtusa</i> (Blunt Spike Rush)		3
<i>Glyceria striata</i> (Fowl Manna Grass)		14
<i>Juncus effusus</i> (Common Rush)		6
<i>Juncus tenuis</i> (Slender Rush)		6
<i>Juncus torreyi</i> (Torrey's Rush)		6
<i>Leersia oryzoides</i> (Rice Cut Grass)		10
<i>Scirpus acutus</i> (Hard-Stemmed Bulrush)		3
<i>Scirpus atrovirens</i> (Dark Green Rush)		3
<i>Bolboschoenus fluviatilis</i> (River Bulrush)		3
<i>Schoenoplectus tabernaemontani</i> (Softstem Bulrush)		3
<i>Spartina pectinata</i> (Cord Grass)		4

Class – Type	Seeds	lb/acre (kg/hectare)
5 Forb with Annuals Mixture 2/ 5/ 6/	Annuals Mixture (Below) Forb Mixture (Below)	1 (1) 10 (10)
Annuals Mixture - Mixture not exceeding 25 % by weight of any one species, of the following:		
<i>Coreopsis lanceolata</i> (Sand Coreopsis) <i>Leucanthemum maximum</i> (Shasta Daisy) <i>Gaillardia pulchella</i> (Blanket Flower) <i>Ratibida columnifera</i> (Prairie Coneflower) <i>Rudbeckia hirta</i> (Black-Eyed Susan)		
Forb Mixture - Mixture not exceeding 5 % by weight PLS of any one species, of the following:		
<i>Amorpha canescens</i> (Lead Plant) 4/ <i>Anemone cylindrica</i> (Thimble Weed) <i>Asclepias tuberosa</i> (Butterfly Weed) <i>Aster azureus</i> (Sky Blue Aster) <i>Symphotrichum leave</i> (Smooth Aster) <i>Aster novae-angliae</i> (New England Aster) <i>Baptisia leucantha</i> (White Wild Indigo) 4/ <i>Coreopsis palmata</i> (Prairie Coreopsis) <i>Echinacea pallida</i> (Pale Purple Coneflower) <i>Eryngium yuccifolium</i> (Rattlesnake Master) <i>Helianthus mollis</i> (Downy Sunflower) <i>Heliopsis helianthoides</i> (Ox-Eye) <i>Liatris aspera</i> (Rough Blazing Star) <i>Liatris pycnostachya</i> (Prairie Blazing Star) <i>Monarda fistulosa</i> (Prairie Bergamot) <i>Parthenium integrifolium</i> (Wild Quinine) <i>Dalea candida</i> (White Prairie Clover) 4/ <i>Dalea purpurea</i> (Purple Prairie Clover) 4/ <i>Physostegia virginiana</i> (False Dragonhead) <i>Potentilla arguta</i> (Prairie Cinquefoil) <i>Ratibida pinnata</i> (Yellow Coneflower) <i>Rudbeckia subtomentosa</i> (Fragrant Coneflower) <i>Silphium laciniatum</i> (Compass Plant) <i>Silphium terebinthinaceum</i> (Prairie Dock) <i>Oligoneuron rigidum</i> (Rigid Goldenrod) <i>Tradescantia ohiensis</i> (Spiderwort) <i>Veronicastrum virginicum</i> (Culver's Root)		

Notes:

- 1/ Seeding shall be performed when the ambient temperature has been between 45 °F (7 °C) and 80 °F (27 °C) for a minimum of seven (7) consecutive days and is forecasted to be the same for the next five (5) days according to the National Weather Service.
- 2/ Seeding shall be performed in late fall through spring beginning when the ambient temperature has been below 45 °F (7 °C) for a minimum of seven (7) consecutive days and ending when the ambient temperature exceeds 80 °F (27 °C) according to the National Weather Service.
- 3/ Specific variety as shown in the plans or approved by the Engineer.
- 4/ Inoculation required.
- 5/ Pure Live Seed (PLS) shall be used.
- 6/ Fertilizer shall not be used.
- 7/ Seed shall be primed with KNO_3 to break dormancy and dyed to indicate such.

Seeding will be inspected after a period of establishment. The period of establishment shall be six (6) months minimum, but not to exceed nine (9) months. After the period of establishment, areas not exhibiting 75 percent uniform growth shall be interseeded or reseeded, as determined by the Engineer, at no additional cost to the Department.”

80445

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)

Effective: November 2, 2017

Revised: April 1, 2019

Replace the second paragraph of Article 109.12 of the Standard Specifications with the following:

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

Value of Subcontract Reported on Form BC 260A	Mobilization Percentage
Less than \$10,000	25%
\$10,000 to less than \$20,000	20%
\$20,000 to less than \$40,000	18%
\$40,000 to less than \$60,000	16%
\$60,000 to less than \$80,000	14%
\$80,000 to less than \$100,000	12%
\$100,000 to less than \$250,000	10%
\$250,000 to less than \$500,000	9%
\$500,000 to \$750,000	8%
Over \$750,000	7%

SUBMISSION OF PAYROLL RECORDS (BDE)

Effective: April 1, 2021

Revised: November 2, 2023

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, social security number, last known address, telephone number, email address, classification(s) of work actually performed, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof), daily and weekly number of hours actually worked in total, deductions made, and actual wages paid.

The Contractor and each subcontractor shall submit certified payroll records to the Department each week from the start to the completion of their respective work, except that full social security numbers, last known addresses, telephone numbers, and email addresses shall not be included on weekly submittals. Instead, the payrolls need only include an identification number for each employee (e.g., the last four digits of the employee's social security number). The submittals shall be made using LCPtracker Pro software. The software is web-based and can be accessed at <https://lcptracker.com/>. When there has been no activity during a work week, a payroll record shall still be submitted with the appropriate option (“No Work”, “Suspended”, or “Complete”) selected.”

STATE CONTRACTS. Revise Item 3 of Section IV of Check Sheet #5 of the Recurring Special Provisions to read:

- “3. Submission of Payroll Records. The Contractor and each subcontractor shall, no later than the 15th day of each calendar month, file a certified payroll for the immediately preceding month to the Illinois Department of Labor (IDOL) through the Illinois Prevailing Wage Portal in compliance with the State Prevailing Wage Act (820 ILCS 130). The portal can be found on the IDOL website at <https://www2.illinois.gov/idol/Laws-Rules/CONMED/Pages/Prevailing-Wage-Portal.aspx>. Payrolls shall be submitted in the format prescribed by the IDOL.

In addition to filing certified payroll(s) with the IDOL, the Contractor and each subcontractor shall certify and submit payroll records to the Department each week from the start to the completion of their respective work, except that full social security numbers shall not be included on weekly submittals. 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. The submittals shall be made using LCPtracker Pro software. The software is web-based and can be accessed at <https://lcptracker.com/>.

When there has been no activity during a work week, a payroll record shall still be submitted with the appropriate option ("No Work", "Suspended", or "Complete") selected."

80437

VEHICLE AND EQUIPMENT WARNING LIGHTS (BDE)

Effective: November 1, 2021

Revised: November 1, 2022

Add the following paragraph after the first paragraph of Article 701.08 of the Standard Specifications:

“The Contractor shall equip all vehicles and equipment with high-intensity oscillating, rotating, or flashing, amber or amber-and-white, warning lights which are visible from all directions. In accordance with 625 ILCS 5/12-215, the lights may only be in operation while the vehicle or equipment is engaged in construction operations.”

80439

WORK ZONE TRAFFIC CONTROL DEVICES (BDE)

Effective: March 2, 2020

Add the following to Article 701.03 of the Standard Specifications:

“(q) Temporary Sign Supports 1106.02”

Revise the third paragraph of Article 701.14 of the Standard Specifications to read:

“For temporary sign supports, the Contractor shall provide a FHWA eligibility letter for each device used on the contract. The letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device. The signs shall be supported within 20 degrees of vertical. Weights used to stabilize signs shall be attached to the sign support per the manufacturer’s specifications.”

Revise the first paragraph of Article 701.15 of the Standard Specifications to read:

“**701.15 Traffic Control Devices.** For devices that must meet crashworthiness standards, the Contractor shall provide a manufacturer’s self-certification or a FHWA eligibility letter for each Category 1 device and a FHWA eligibility letter for each Category 2 and Category 3 device used on the contract. The self-certification or letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device.”

Revise the first six paragraphs of Article 1106.02 of the Standard Specifications to read:

“**1106.02 Devices.** Work zone traffic control devices and combinations of devices shall meet crashworthiness standards for their respective categories. The categories are as follows.

Category 1 includes small, lightweight, channelizing and delineating devices that have been in common use for many years and are known to be crashworthy by crash testing of similar devices or years of demonstrable safe performance. These include cones, tubular markers, plastic drums, and delineators, with no attachments (e.g. lights). Category 1 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 1 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2024.

Category 2 includes devices that are not expected to produce significant vehicular velocity change but may otherwise be hazardous. These include vertical panels with lights, barricades, temporary sign supports, and Category 1 devices with attachments (e.g. drums with lights). Category 2 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 2 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2024.

Category 3 includes devices that are expected to cause significant velocity changes or other potentially harmful reactions to impacting vehicles. These include crash cushions (impact

attenuators), truck mounted attenuators, and other devices not meeting the definitions of Category 1 or 2. Category 3 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 3 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2029. Category 3 devices shall be crash tested for Test Level 3 or the test level specified.

Category 4 includes portable or trailer-mounted devices such as arrow boards, changeable message signs, temporary traffic signals, and area lighting supports. It is preferable for Category 4 devices manufactured after December 31, 2019 to be MASH-16 compliant; however, there are currently no crash tested devices in this category, so it remains exempt from the NCHRP 350 or MASH compliance requirement.

For each type of device, when no more than one MASH-16 compliant is available, an NCHRP 350 or MASH-2009 compliant device may be used, even if manufactured after December 31, 2019.”

Revise Articles 1106.02(g), 1106.02(k), and 1106.02(l) to read:

“(g) Truck Mounted/Trailer Mounted Attenuators. The attenuator shall be approved for use at Test Level 3. Test Level 2 may be used for normal posted speeds less than or equal to 45 mph.

(k) Temporary Water Filled Barrier. The water filled barrier shall be a lightweight plastic shell designed to accept water ballast and be on the Department’s qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings.

(l) Movable Traffic Barrier. The movable traffic barrier shall be on the Department’s qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings. The barrier shall be capable of being moved on and off the roadway on a daily basis.”

March 14, 2024

L-96,694

REPORT OF SOILS EXPLORATION
CULVERT REPLACEMENT
INDIAN CREEK ROAD
HAWTHORN WOODS, IL

PREPARED FOR:
CHRISTOPHER B. BURKE ENGINEERING, LTD
9575 W HIGGINS RD. SUITE 600
ROSEMONT, ILLINOIS

PREPARED BY:
TESTING SERVICE CORPORATION
457 EAST GUNDERSEN DRIVE
CAROL STREAM, ILLINOIS 60188
(630) 653-3920

March 14, 2024

L-96,694

REPORT OF SOILS EXPLORATION
CULVERT REPLACEMENT
INDIAN CREEK ROAD
HAWTHORN WOODS, IL

1.0 INTRODUCTION

This report presents the results of a soils exploration performed for a culvert replacement in Hawthorn Woods, Illinois. These geotechnical engineering services are being provided in accordance with TSC Proposal No. 71,864 dated October 4, 2023.

Current plans call for the replacement of an existing culvert extending below Indian Creek Road, lying about 1 mile east of N. Gilmer Road in Ela Township, Hawthorn Woods, Illinois. The existing culvert consists of a 10 foot wide corrugated metal pipe carrying Indian Creek below Indian Creek Road. The culvert is in a low-lying area with a pond on the north side of the narrow 2-lane roadway. Pavement distress including numerous potholes and slumping of the concrete ribbon shoulder and minor soil erosion above the culvert was noted. The design and construction of a new culvert is assumed to be similar in size and dimension.

2.0 FIELD INVESTIGATION AND LABORATORY TESTING

Two (2) soil borings were performed as part of this soils exploration including one on either side of the existing culvert. Access was limited by trees and guardrails and therefore the borings were drilled in the traffic lanes. A Boring Location Plan is enclosed showing the drilling layout, being plotted on an aerial photograph of the surrounding area. The ground surface and top of culvert elevations were acquired by TSC using a Trimble R8s GNSS Receiver which uses the North American Vertical Datum 1988 (NAVD88), being rounded to the nearest 0.5 feet. The top of the culvert elevation was measured to be 747.0' or

approximately 4.0 feet below top of pavement where the borings were taken. The creek level in the culvert was measured to be 5.0 feet below the top of the culvert (approximate elevation 742.0) at the time the elevations were taken

Each of the borings extended to 30 feet below existing grade. They were drilled and samples tested according to currently recommended American Society for Testing and Materials specifications. Soil sampling was performed at 2½-foot intervals to a depth of 15 feet and at no greater than 5-foot intervals thereafter. The samples were taken in conjunction with the Standard Penetration Test (SPT), for which driving resistance to a 2" split-spoon sampler (N-value in blows per foot) provides an indication of the relative density of granular materials and consistency of cohesive soils. Water level readings were taken during and following completion of drilling operations, with the borehole then immediately backfilled and patched at the surface for safety reasons.

Soil samples were examined in the laboratory to verify field descriptions and to classify them in accordance with the Unified Soil Classification System. Laboratory testing included water content determinations for all cohesive and intermediate (silt or loamy) soil types. An estimate of unconfined compressive strength was obtained for all cohesive materials using a calibrated pocket penetrometer (Qp), with actual measurements of unconfined compressive strength (Qu) performed on representative samples. Dry unit weight tests were also run on specimens of cohesive fill.

Reference is made to the boring log in the Appendix of this report which indicates subsurface stratigraphy and soil descriptions, results of field and laboratory tests, as well as water level observations. Definitions of descriptive terminology are also included. While strata changes are shown as a definite line on the log, the actual transition between soil layers is likely to be more gradual. Fluctuations in the groundwater level may also occur due to variations in precipitation (short-term and seasonal) as well as rises or drops in Indian Creek or other nearby surface water features, i.e. water levels at a future date may be higher or lower than those recorded at the time of drilling.

3.0 DISCUSSION OF TEST DATA

Boring 1 was performed in the eastbound traffic lane and B-2 was drilled in the westbound traffic lane of Indian Creek Road about 7 feet away from the existing culvert. They revealed about 8 inches of hot mix

asphalt (bituminous concrete) overlying 6 inches of sand and gravel base course materials. The pavement thicknesses were estimated from the disturbed sides of the augered boreholes and should be considered very approximate. A pavement core was also taken near the culvert location for the separate but related Indian Creek Roadway project and it revealed a thickness of 9 inches.

Silty clay fill materials were found below the pavement section, extending about 8 feet below existing grade. Samples of the cohesive fill had dry unit weights ranging from 101 to 108 pounds per cubic foot (pcf) at water contents between 19 and 24 percent. They also exhibited relatively low pocket penetrometer readings (for fill) of 1.0 to 2.25 tons per square foot (tsf).

Native soils below the fill material consisted mainly of silty clay in a medium stiff to very stiff condition and predominated to the completion depth of 30 feet. These native clay soils exhibited unconfined compressive strengths varying from 1.0 to 3.0 tsf at water contents of 16 to 25 percent. The exception was a thin deposit of clayey sand found between 8 and 10.5 feet deep in location B-1. These intermediate materials exhibited an SPT N-value of 19 blows per foot (bpf).

Free water was initially encountered at a depth of 13 feet below existing grade in B-1. Upon completion of drilling operations, the water level in the borehole was measured at a depth of 17 feet below grade. Boring 2 was noted as "dry" both during and upon completion of drilling operations, i.e. no free water was encountered in it.

4.0 ANALYSIS AND RECOMMENDATIONS

4.1 Culvert Installation

Current plans call for the replacement of the existing culvert carrying Indian Creek below Indian Creek Road. The existing culvert consists of a 10' wide corrugated metal pipe. Since only the top of the culvert was exposed it could not be determined whether the pipe is round or has a flat bottom. The new culvert is assumed to be similar in size and dimension.

Borings 1 and 2 were drilled for the replacement structure which will likely have an invert at approximate Elevation 740.0 (flat bottom pipe) or 737.0 (10' diameter pipe) or about 11 to 14 feet below the top of

pavement. It is assumed that the bottom of the culvert will be about 6 inches below the invert allowing for a granular leveling pad. Stiff to very stiff silty clay soils were found at the approximate bearing level of the new culvert and are considered suitable for culvert support. They exhibited unconfined compressive strength values of 1.5 to 2.5 tsf at water contents on the order of 20 percent.

If the bottom of the culvert excavation becomes unstable, approximately 12 inches of additional granular bedding may be placed to provide a more satisfactory base. Replacement materials should consist of crushed stone, crushed gravel or recycled concrete between ¼ to 3 inches in size and containing no fines; IDOT gradations CA-1 and CA-7 meet these criteria. This "structural" fill should be spread in maximum 12-inch layers loose thickness, each lift to be densified using vibratory compaction equipment or by tamping with a backhoe bucket. It is recommended that the excavation be kept drained during backfilling operations. It should be noted that soft clay soils, if found, may slough during construction, causing a larger than normal excavation.

Groundwater was initially revealed at a depth of 13 feet below existing grade in B-1 and dropped to 17 feet of the surface upon completion of drilling. It should be noted that changes in the groundwater level may occur due to seasonal variations in rainfall, fluctuations in creek level and other localized conditions. The Contractor should be prepared to implement dewatering procedures on an as needed basis, as a minimum to include pumping from strategically placed sumps.

The biggest concern would be if excavations outside the limits of the boreholes were to penetrate wet granular materials. Granular soil types encountered under hydrostatic pressure at the time of construction can lead to a running condition, where the materials in the bottom and the side walls will rapidly slough and "flow" into the excavation. If allowed to occur, running soil conditions may lead to instability of the excavation side slopes, loss of ground and settlement in surrounding areas.

Open cut and/or benching is anticipated in connection with the excavation for the new culvert. In connection with laborers working in the excavation, the Contractor must either brace the sides of the excavations or slope them back in accordance with current OSHA requirements to prevent excavation instability. Protective measures should include the use of safety trench boxes, sheeting and bracing, or other appropriate methods. In this regard, all excavations should comply with the requirements of OSHA 29CFR, Part 1926, Subpart P, "Excavations" and its appendices as well as any other applicable codes.

This document states that excavation safety is the responsibility of the Contractor. It should be noted that it is not the Engineer's responsibility to enforce these requirements. Reference to this OSHA requirement should be included in the job specifications.

5.0 Closure

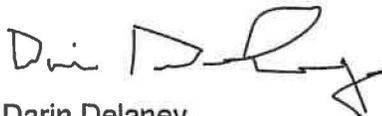
It is recommended that technician services be provided by Testing Service Corporation personnel during foundation construction, so that the bearing capacity of the soils at foundation levels can be verified. In addition, adequacy of building materials, stripping and undercutting, fill placement and compaction should be observed and tested for compliance with the recommended procedures and specifications.

The analysis and recommendations submitted in this report are based upon the data obtained from the two (2) soil boring performed at the location indicated on the Boring Location Plan. This report does not reflect any variations which may occur between these borings or elsewhere on the site, the nature and extent of which may not become evident until during the course of construction. If variations are then identified, recommendations contained in this report should be re-evaluated after performing on-site observations.

Please call if there are any questions in regard to this matter or if we may be of further service.

Respectfully submitted,

TESTING SERVICE CORPORATION



Darin Delaney
Project Geologist



Timothy R. Peceniak, P.E.
Geotechnical Engineer
Registered Professional Engineer
Illinois No. 062-061269



ELEVATIONS
 GROUND SURFACE **751.0**
 END OF BORING **721.0**

WATER LEVEL OBSERVATIONS
 ▽ WHILE DRILLING **13.0'**
 ▽ AT END OF BORING **17.0'**
 ▽ 24 HOURS

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ _{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0								0.6	750.4	Bituminous Concrete
								1.2	749.8	FILL - Brown SAND and GRAVEL, damp (SP/GP)
1		1	SS	3	20.7	1.0*	108			
2		2	SS	4	19.0	2.25*	108			FILL - Dark brown trace black silty CLAY, little sand, trace gravel, occasional Cobbles, moist (CL)
3		3	SS	6	21.5	1.25*	103			
4		4	SS	19	16.9			8.0	743.0	Medium dense brown clayey SAND, little gravel, occasional Cobbles, damp (SC)
5		5	SS	13	20.0	1.5*		10.5	740.5	▽ Stiff to very stiff brownish-gray silty CLAY, trace sand and gravel, moist (CL)
6		6	SS	10	19.3	2.34 2.0*		17.0	734.0	▽ Stiff to medium stiff gray very silty CLAY, occasional silt seams, occasional sand seams, moist (CL/SM)
7		7	SS	15	19.5	1.0*		22.0	729.0	Very stiff gray silty CLAY, trace sand and gravel, moist (CL)
8		8	SS	14	19.4	3.22 3.0*				
9		9	SS	15	17.9	3.0*				
30										End of Boring at 30.0'

* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.

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



ELEVATIONS
 GROUND SURFACE **751.0**
 END OF BORING **721.0**

WATER LEVEL OBSERVATIONS
 ▼ WHILE DRILLING **Dry**
 ▼ AT END OF BORING **Dry**
 ▼ 24 HOURS

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ _{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0										Bituminous Concrete
0.8									750.2	FILL - Brown SAND and GRAVEL, damp (SP/GP)
1.2									749.8	
2		1	SS	4	21.8	0.75*	106			
5		2	SS	5	21.5	1.5*	106			FILL - Brown trace dark brown and black silty CLAY, little sand, trace gravel, moist (CL)
3		3	SS	3	23.8	1.0*	101			
8.0									743.0	Very stiff brown trace gray silty CLAY, trace sand and gravel, moist (CL)
4		4	SS	7	24.9	2.56 3.0*				
10.5									740.5	
5		5	SS	9	20.2	1.97 2.25*				
6		6	SS	8	19.4	2.5*				
15										Stiff to very stiff brownish-gray silty CLAY, trace sand and gravel, moist (CL)
7		7	SS	11	25.1	1.77 1.5*				
20										
8		8	SS	15	15.7	1.0*				
25										Stiff gray silty CLAY, trace sand and gravel, moist (CL)
27.0									724.0	
9		9	SS	13	19.6	3.22 3.25*				
30										Very stiff gray silty CLAY, trace sand and gravel, moist (CL)
30.0										End of Boring at 30.0'
35										* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.
40										

TSC 96694.GPJ TSC_ALL.GDT 3/14/24

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TESTING SERVICE CORPORATION

Corporate Office

360 South Main Place, Carol Stream, IL 60188-2404
630.462.2600

April 1, 2024

Mr. Lee Fell
Christopher B. Burke Engineering, Ltd.
9575 West Higgins Road, Suite 600
Rosemont, IL 60018-4920

RE: L – 96,695
Potentially Impacted Property Evaluation for LPC-663 Form
Indian Creek Road Culvert Replacement
Indian Creek Road between Seneca Avenue West and East
Hawthorn Woods, IL

Dear Mr. Fell:

Testing Service Corporation (TSC) has completed a Potentially Impacted Property (PIP) Evaluation, soil sampling, and laboratory analyses for the above captioned project. The general scope of work was presented in TSC's proposal number 71,864A dated October 4, 2023. The General Conditions document which accompanied the proposal also applies to this report. TSC was requested to evaluate site soil conditions for the disposal of construction spoils at a Clean Construction & Demolition Debris (CCDD) or Uncontaminated Soil Fill Operation (USFO) facility.

Uncontaminated soil including uncontaminated soil mixed with clean construction or demolition debris (CCDD) accepted at a CCDD fill operation must be certified to be uncontaminated soil in accordance with Section 22.51(f)(2)(B) of the Environmental Protection Act [415 ILCS 5/22.51(f)(2)(B)]. Uncontaminated soil accepted at an uncontaminated soil fill operation (USFO) must be certified to be uncontaminated soil in accordance with Section 22.51a(d)(2)(B) of the Environmental Protection Act [415 ILCS 5/22.51a(d)(2)(B)]. These certifications must be made by a licensed professional engineer or geologist (PE/PG) using the Form LPC-663 when the soil is removed from a site which is determined by the PE/PG to be a "Potentially Impacted Property" (PIP) based on review of readily ascertainable property history, environmental databases and site reconnaissance. Uncontaminated soil from a site which is not identified as a PIP by the PE/PG may be certified by either the source site owner or operator using LPC-662 with pH analysis only.

Source Site

The source site ("Site") is along Indian Creek Road at Indian Creek between Seneca Avenue West and East in a residential/agricultural area of Hawthorn Woods, IL. The activity that is generating the soil for disposal is replacement of the culverts on the road going over the creek.

Records Review

In accordance with Illinois Administrative Code 35 Part 1100, on behalf of the Site owner, TSC evaluated the historical uses of the Site to identify potential contamination sources, both from the Site and adjoining properties, which may cause the Site to be considered a PIP.

TSC researched the history of the property by reviewing historical topographic maps dating back to 1923 and aerial photographs dating back to 1939. Based on this information, the Site and surrounding area had been used for agricultural purposes since before that time. Residential subdivision development of the area began to the north and southwest after 1980 and completed after 1988. The land to the southeast has remained agricultural. The Site and surrounding properties then remain as described to the present.

TSC evaluated current Federal and State environmental agency records for the Site and vicinity by obtaining information from an EDR First Report from Environmental Data Resources, Inc. (EDR). The EDR First Report identifies listings on reviewed environmental databases within one quarter mile of the Site address and is utilized in identifying potential contamination sources, both at the Site and from adjoining properties, which may cause the Site to be considered a PIP.

The EDR First Report information does not identify the Site itself on the reviewed environmental databases.

The EDR First Report information does not identify any adjoining nor nearby properties to the Site on the various reviewed environmental databases.

No other properties appeared in the EDR First Report.

The EDR First Report Orphan Summary did identify one property that was found by the Site reconnaissance and historical review to be outside a reasonably likely zone of influence to the Site.

Site Reconnaissance

On March 7, 2024, TSC conducted a reconnaissance of the Site and adjoining properties for the purpose of identifying indications of the use or disposal of hazardous substances or petroleum products. The Site is a portion of a street in a residential/agricultural area consistent with information reviewed on topographic maps, aerial photographs, and the EDR environmental database report. No indications of staining, unnaturally stressed vegetation or areas conspicuously absent of vegetation were noted at the Site. No evidence of aboveground storage tanks or of vent or fill pipes suggesting the presence of underground storage tanks were identified at the Site areas to be excavated. No indication of petroleum sheen was identified. No indications of solid waste or drum storage were noted at the Site. No suspect PCB containing equipment or hazardous waste generation was identified on Site. No evidence of the use or release of hazardous substances or petroleum products was identified at the Site in or affecting areas that are to be excavated. No additional sources of potential impact from the Site or adjacent properties were identified. The current status of the surrounding properties is also consistent with the information reviewed and none of the above conditions were noted at their locations within a zone of influence to the Site. No additional sources of potential impact from the Site or adjacent properties were identified.

Based on neither the Site itself nor any adjoining or nearby properties to the Site appearing on the environmental database search results, the Site was **not** identified as a Potentially Impacted Property. However, it was requested by the client to evaluate the Site for offsite soil disposal utilizing the LPC-663 form. The collection of soil samples and analysis were performed to evaluate the soil for common contaminants of concern.

Soil Sampling & Analytical Testing

On March 8, 2024, TSC, in conjunction with a geotechnical investigation, performed two soil borings (B-1 and B-2) along Indian Creek Road. The boring locations are indicated on the attached Boring Location Plan.

Soil at the Site consists generally of silty clay with little sand and gravel. The soil samples were screened using a Mini-RAE 3000 photo-ionization detector (PID), which did not detect any readings exceeding background conditions. No visual or odorous signs of impact were noted in the samples. Samples B-1/S-2 and B-2/S-2, from 3.5-5 feet below ground surface (bgs), were selected as being representative of the soil to be removed from the Site. The samples were placed in laboratory supplied jars and 5035 preserved vials. The samples were then transported to the analytical laboratory in a cooler on ice using standard chain of custody procedures. TSC's Professional Geologist, determined that analysis for Volatile Organic Compounds (VOCs), Polynuclear Aromatic hydrocarbons (PNAs), total RCRA metals, and pH, are appropriate indicator parameters of potential impact to the Site.

The analytical results are presented in the First Environmental Laboratories, Inc. analytical report dated March 20, 2024. The analytical report indicates that no VOCs or PNAs were detected in any of the samples at the laboratory reporting limits, except for the VOC tetrachloroethene in B-1/S-2. Several of the total RCRA metals were detected in all of the samples, at typical background levels. The pH values of 8.29 for sample B-1/S-2 and 8.26 for B-2/S-2 are within the required range of 6.25-9.0 units.

The analytical results were compared to the Maximum Allowable Concentrations of Chemical Constituents (MACs) listed in 35 IAC 1100 Subpart F. The analytical results obtained from the soil samples tested indicate that all analyzed parameters meet their respective MACs for disposal at a CCDD/USFO facility.

The IEPA LPC-663 Form, Uncontaminated Soil Certification, signed by a Licensed Professional Geologist, along with the analytical report and chain of custody, has been completed for disposal of the soil from the source site, the Indian Creek culverts on Indian Creek Road in Hawthorn Woods, IL, as shown on last page of the attached EDR First Report.

TSC recommends the full report be forwarded to the CCDD/USFO facility selected for disposal. It is noted that the CCDD/USFO facility will make the determination on whether or not they will choose to accept the soil and may request additional analytical data. Additionally, the CCDD/USFO will screen each load of soil with a PID, which will determine the final acceptance of individual loads, regardless of the analytical results.

We appreciate the opportunity to be of service to you. Please contact us with any questions.

Respectfully,

TESTING SERVICE CORPORATION

Prepared by:



Brian K. Walker, P.G. #196.000772
Environmental Department Manager



Aaron J. Ulrey, P.G. #196.001390
Project Geologist

BKW:AJU:ljm

Enc: LPC-663 Form
Boring Location Plan
Lab Results Summary Table
Analytical Report and Chain of Custody
EDR First Report



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

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: Indian Creek Culvert Replacement Office Phone Number, if available: 847-823-0500

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

Indian Creek Road between Seneca Avenue West and East

City: Hawthorn Woods State: IL Zip Code: 60047

County: Lake Township: Ela

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

Latitude: 42.23349 Longitude: - 88.02233

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: BOL: None BOW: None BOA: None

Approximate Start Date (mm/dd/yyyy): _____ Approximate End Date (mm/dd/yyyy): _____

Estimated Volume of debris (cu. Yd.): _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: _____

Name: _____

Street Address: _____

Street Address: _____

PO Box: _____

PO Box: _____

City: _____ State: _____

City: _____ State: _____

Zip Code: _____ Phone: _____

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.

Uncontaminated Soil 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)]:

See attached report. Review of historical topo maps to 1923, aerials to 1939 indicate Site was agricultural since before that time. Subdivision began after 1980 to after 1988. No adjoining nor nearby properties identified on EDR. 2 borings performed, screened with PID.

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]:

Soil samples B-1/S-2 and B-2/S-2 representing site soil conditions, collected for analysis of VOCs, PNAs, total RCRA metals, & pH. Lab report 24-1906 analytical results verify soil meets MACs. pH of 8.29 for B-1/S-2 and 8.26 for B-2/S-2 between 6.25 and 9.0, therefore, soils in those locations uncontaminated.

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

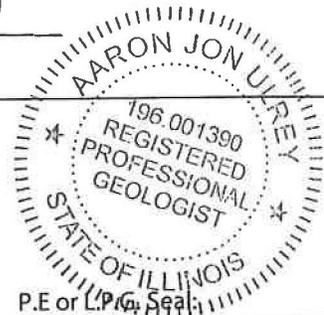
I, Aaron J. Ulrey (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental 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: Testing Service Corporation
Street Address: 360 South Main Place
City: Carol Stream State: IL Zip Code: 60188
Phone: 630-784-4012

Aaron J. Ulrey
Printed Name:


Licensed Professional Engineer or
Licensed Professional Geologist Signature:

4-1-2024
Date:

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

96,955

TESTING SERVICE CORP.			
96695 - Indian Creek Culverts			
Date of Sample Collection:	B-1/S-2	B-2/S-2	MAC outside a populated area
Time of Sample Collection:	3/8/2024	3/8/2024	MAC within a populated area in a non-MSA county
First Environmental Lab. Numbers:	24-1906-001	24-1906-002	MAC within a populated area in a MSA excluding Chicago
			MAC within Chicago corporate limits
			MAC within a non-MSA county
			MAC within a MSA County
			Maximum Allowable Concentration

Contaminants of Concern:

Volatile Organic Compounds (S035A/8260B)

Date Analyzed:	Units	RDL	3/13/2024	3/13/2024	3/13/2024	MAC within a populated area in a MSA excluding Chicago	MAC within Chicago corporate limits	MAC within a non-MSA county	MAC within a MSA County	Maximum Allowable Concentration	MAC within a populated area in a non-MSA county	MAC outside a populated area
Acetone	mg/kg	0.2	<0.2	<0.2	<0.2					2.5		
Benzene	mg/kg	0.005	<0.005	<0.005	<0.005					0.03		
Bromodichloromethane	mg/kg	0.005	<0.005	<0.005	<0.005					0.6		
Bromoform	mg/kg	0.005	<0.005	<0.005	<0.005					0.8		
Bromomethane	mg/kg	0.01	<0.01	<0.01	<0.01					0.2		
Carbon disulfide	mg/kg	0.005	<0.005	<0.005	<0.005					9		
Carbon tetrachloride	mg/kg	0.005	<0.005	<0.005	<0.005					0.07		
Chlorobenzene	mg/kg	0.005	<0.005	<0.005	<0.005					1		
Chlorodibromomethane	mg/kg	0.005	<0.005	<0.005	<0.005					0.4		
Chloroform	mg/kg	0.005	<0.005	<0.005	<0.005					0.3		
1,1-Dichloroethane	mg/kg	0.005	<0.005	<0.005	<0.005					23		
1,2-Dichloroethane	mg/kg	0.005	<0.005	<0.005	<0.005					0.02		
1,1,1-Dichloroethene	mg/kg	0.005	<0.005	<0.005	<0.005					0.06		
cis-1,2-Dichloroethene	mg/kg	0.005	<0.005	<0.005	<0.005					0.4		
trans-1,2-Dichloroethene	mg/kg	0.005	<0.005	<0.005	<0.005					0.7		
1,2-Dichloropropane	mg/kg	0.005	<0.005	<0.005	<0.005					0.03		
cis-1,3-Dichloropropene	mg/kg	0.004	<0.004	<0.004	<0.004					0.005		
trans-1,3-Dichloropropene	mg/kg	0.004	<0.004	<0.004	<0.004					0.005		
Ethylbenzene	mg/kg	0.005	<0.005	<0.005	<0.005					13		
Methyl-tert-butylether (MTBE)	mg/kg	0.005	<0.005	<0.005	<0.005					0.32		
Methylene chloride	mg/kg	0.02	<0.02	<0.02	<0.02					0.02		
Styrene	mg/kg	0.005	<0.005	<0.005	<0.005					4		
Tetrachloroethene	mg/kg	0.005	0.0236	<0.005	<0.005					0.06		
Toluene	mg/kg	0.005	<0.005	<0.005	<0.005					12		
1,1,1-Trichloroethane	mg/kg	0.005	<0.005	<0.005	<0.005					2		
1,1,2-Trichloroethane	mg/kg	0.005	<0.005	<0.005	<0.005					0.02		
Trichloroethene	mg/kg	0.005	<0.005	<0.005	<0.005					0.06		
Vinyl acetate	mg/kg	0.01	<0.01	<0.01	<0.01					10		
Vinyl chloride	mg/kg	0.01	<0.01	<0.01	<0.01					0.01		
Xylenes, Total	mg/kg	0.005	<0.005	<0.005	<0.005					5.6		

TESTING SERVICE CORP.

96695 - Indian Creek Culverts

Date of Sample Collection:

Time of Sample Collection:

First Environmental Lab. Numbers:

B-1/S-2	B-2/S-2	Maximum Allowable Concentration	MAC within a MSA County	MAC within a non-MSA county	MAC within Chicago corporate limits	MAC within a populated area in a MSA excluding Chicago	MAC within a populated area in a non-MSA county	MAC outside a populated area
3/8/2024	3/8/2024							
24-1906-001	24-1906-002							

Contaminants of Concern:

Polynuclear Aromatic Hydrocarbons (8270C)

Date Analyzed:	Units	RDL	3/13/2024	3/13/2024	3/13/2024	3/13/2024	3/13/2024	3/13/2024
Acenaphthene	mg/kg	0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Anthracene	mg/kg	0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Benzo(a)anthracene	mg/kg	0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Benzo(a)pyrene	mg/kg	0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09
Benzo(b)fluoranthene	mg/kg	0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Benzo(k)fluoranthene	mg/kg	0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Chrysene	mg/kg	0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Dibenzo(a,h)anthracene	mg/kg	0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09
Fluoranthene	mg/kg	0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Fluorene	mg/kg	0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Indeno(1,2,3-cd)pyrene	mg/kg	0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Naphthalene	mg/kg	0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Pyrene	mg/kg	0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33

Total Metals (6010C)

Date Analyzed:	Units	RDL	3/19/2024	3/14/2024	3/14/2024
Arsenic	mg/kg	1	5	5.5	5.5
Barium	mg/kg	0.5	66	56.2	56.2
Cadmium	mg/kg	0.5	1.7	1.6	1.6
Chromium	mg/kg	0.5	15.6	15.8	15.8
Lead	mg/kg	0.5	19.9	12.4	12.4
Selenium	mg/kg	1	<1.0	<1.0	<1.0
Silver	mg/kg	0.2	<0.2	<0.2	<0.2

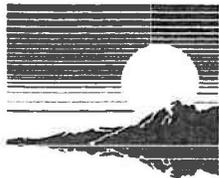
Total Mercury (7471B)

Date Analyzed:	Units	RDL	3/14/2024	3/14/2024
Mercury	mg/kg	0.05	<0.05	<0.05

pH @ 25°C, 1:2 (9045D)

Date Analyzed:	Units	RDL	3/13/2024	3/13/2024
pH @ 25°C, 1:2	Units		8.29	8.26

6.25-9.00



March 20, 2024

Mr. Aaron Ulrey
TESTING SERVICE CORP.
360 S. Main Place
Carol Stream, IL 60188

Project ID: 96695 - Indian Creek Culverts
First Environmental File ID: 24-1906
Date Received: March 11, 2024

Dear Mr. Aaron Ulrey:

The above referenced project was analyzed as directed on the enclosed chain of custody record.

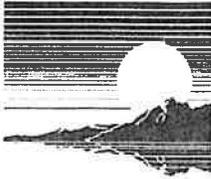
All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number:

1002922024-12: effective 02/23/24 through 02/28/2025.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,

Joy Geraci
Project Manager



Case Narrative

TESTING SERVICE CORP.

Lab File ID: **24-1906**

Project ID: **96695 - Indian Creek Culverts**

Date Received: **March 11, 2024**

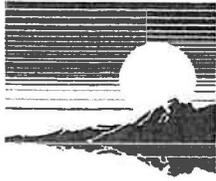
All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

The results in this report apply to the samples in the following table:

Laboratory Sample ID	Client Sample Identifier	Date/Time Collected
24-1906-001	B-1/S-2	3/8/2024
24-1906-002	B-2/S-2	3/8/2024

Sample Batch Comments:

Time of sample collection was not provided.



Case Narrative

TESTING SERVICE CORP.

Lab File ID: **24-1906**

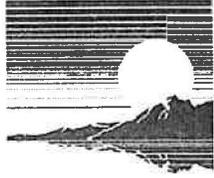
Project ID: **96695 - Indian Creek Culverts**

Date Received: **March 11, 2024**

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

The following is a definition of flags that may be used in this report:

Flag	Description	Flag	Description
A	Method holding time is 15 minutes from collection. Lab analysis was performed as soon as possible.		
B	Analyte was found in the method blank.	L	LCS recovery outside control limits.
<	Analyte not detected at or above the reporting limit.	M	MS recovery outside control limits: LCS acceptable.
C	Sample received in an improper container for this test.	P	Chemical preservation pH adjusted in lab.
D	Surrogates diluted out; recovery not available.	Q	Result was determined by a GC/MS database search.
E	Estimated result: concentration exceeds calibration range.	S	Analysis was subcontracted to another laboratory.
G	Surrogate recovery outside control limits.	T	Result is less than three times the MDL value.
H	Analysis or extraction holding time exceeded.	W	Reporting limit elevated due to sample matrix.
I	ICVS % rec outside 95-105% but within 90-110%		
J	Estimated result: concentration is less than routine RL but greater than MDL.	N	Analyte is not part of our NELAC accreditation or accreditation may not be available for this parameter.
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	ND	Analyte was not detected using a library search routine: No calibration standard was analyzed.



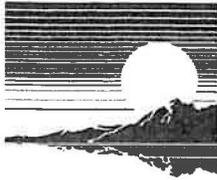
Analytical Report

Client: TESTING SERVICE CORP.
Project ID: 96695 - Indian Creek Culverts
Sample ID: B-1/S-2
Sample No: 24-1906-001

Date Collected: 03/08/24
Time Collected:
Date Received: 03/11/24
Date Reported: 03/20/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total		Method: 2540G 2011		
Analysis Date: 03/12/24				
Total Solids	82.07		%	
Volatile Organic Compounds		Method: 5035A/8260B		
Analysis Date: 03/13/24				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	23.6	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	



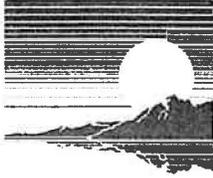
Analytical Report

Client: TESTING SERVICE CORP.
Project ID: 96695 - Indian Creek Culverts
Sample ID: B-1/S-2
Sample No: 24-1906-001

Date Collected: 03/08/24
Time Collected:
Date Received: 03/11/24
Date Reported: 03/20/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds		Method: 5035A/8260B		
Analysis Date: 03/13/24				
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Polynuclear Aromatic Hydrocarbons		Method: 8270C		
Analysis Date: 03/13/24		Preparation Method 3546		
		Preparation Date: 03/12/24		
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	< 90	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	
Fluoranthene	< 330	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Pyrene	< 330	330	ug/kg	
Total Metals		Method: 6010C		
Analysis Date: 03/19/24		Preparation Method 3050B		
		Preparation Date: 03/13/24		
Arsenic	5.0	1.0	mg/kg	
Barium	66.0	0.5	mg/kg	
Cadmium	1.7	0.5	mg/kg	
Chromium	15.6	0.5	mg/kg	
Lead	19.9	0.5	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Total Mercury		Method: 7471B		
Analysis Date: 03/14/24				
Mercury	< 0.05	0.05	mg/kg	



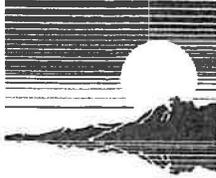
Analytical Report

Client: TESTING SERVICE CORP.
Project ID: 96695 - Indian Creek Culverts
Sample ID: B-1/S-2
Sample No: 24-1906-001

Date Collected: 03/08/24
Time Collected:
Date Received: 03/11/24
Date Reported: 03/20/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
pH @ 25°C, 1:2				
Method: 9045D				
Analysis Date: 03/13/24 11:00				
pH @ 25°C, 1:2	8.29		Units	



Analytical Report

Client: TESTING SERVICE CORP.
Project ID: 96695 - Indian Creek Culverts
Sample ID: B-2/S-2
Sample No: 24-1906-002

Date Collected: 03/08/24
Time Collected:
Date Received: 03/11/24
Date Reported: 03/20/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total		Method: 2540G 2011		
Analysis Date: 03/12/24				
Total Solids	80.09		%	

Volatile Organic Compounds		Method: 5035A/8260B		
Analysis Date: 03/13/24				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	



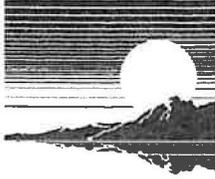
Analytical Report

Client: TESTING SERVICE CORP.
Project ID: 96695 - Indian Creek Culverts
Sample ID: B-2/S-2
Sample No: 24-1906-002

Date Collected: 03/08/24
Time Collected:
Date Received: 03/11/24
Date Reported: 03/20/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds		Method: 5035A/8260B		
Analysis Date: 03/13/24				
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Polynuclear Aromatic Hydrocarbons		Method: 8270C		
Analysis Date: 03/13/24				
		Preparation Method 3546		
Preparation Date: 03/12/24				
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	< 90	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	
Fluoranthene	< 330	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Pyrene	< 330	330	ug/kg	
Total Metals		Method: 6010C		
Analysis Date: 03/14/24				
		Preparation Method 3050B		
Preparation Date: 03/13/24				
Arsenic	5.5	1.0	mg/kg	
Barium	56.2	0.5	mg/kg	
Cadmium	1.6	0.5	mg/kg	
Chromium	15.8	0.5	mg/kg	
Lead	12.4	0.5	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Total Mercury		Method: 7471B		
Analysis Date: 03/14/24				
Mercury	< 0.05	0.05	mg/kg	



Analytical Report

Client: TESTING SERVICE CORP.
Project ID: 96695 - Indian Creek Culverts
Sample ID: B-2/S-2
Sample No: 24-1906-002

Date Collected: 03/08/24
Time Collected:
Date Received: 03/11/24
Date Reported: 03/20/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
pH @ 25°C, 1:2				
Analysis Date: 03/13/24 11:00				
	Method: 9045D			
pH @ 25°C, 1:2	8.26		Units	

Indian Creek Road Resurfacing Section 2
Indian Creek Road From Seneca W To City Limit
Lake Zurich, IL 60047

Inquiry Number: 7507861.1s
November 29, 2023

EDR FIRST REPORT

A Search of ASTM E1527-21 §8.2.2 Databases



edrnet.com

800.352.0050

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This report includes a search of reasonably available environmental records to assist the professional in compliance with Section 8.2.1 Standard Federal, State, and Tribal Environmental Record Source of ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-21). Additional environmental records sources may be available for your property.

Target Site: INDIAN CREEK ROAD FROM SENECA W TO CITY LIMIT
LAKE ZURICH, IL 60047

Site Location

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>	<u>UTMs</u>
Longitude:	88.015344	88.0153440 - 88° 0' 55.23"	Easting: 416217.0
Latitude:	42.233491	42.2334910 - 42° 14' 0.56"	Northing: 4675986.0
Elevation:	767 ft. above sea level		Zone: Zone 16

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Search Summary

**TARGET SITE: INDIAN CREEK ROAD FROM SENECA W TO CITY LIMIT
LAKE ZURICH, IL 60047**

Category	Database	Update	Radius	Site	1/8	1/4	1/2	> 1/2	Orphan	TOTALS
<i>Lists of Federal NPL (Superfund) sites</i>										
	NPL	09/19/2023	0.250	0	0	0	-	-	0	0
	Proposed NPL	09/19/2023	0.250	0	0	0	-	-	0	0
	NPL LIENS	10/15/1991	TP	0	-	-	-	-	0	0
<i>Lists of Federal Delisted NPL sites</i>										
	Delisted NPL	09/19/2023	0.250	0	0	0	-	-	0	0
<i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i>										
	FEDERAL FACILITY	06/23/2023	0.250	0	0	0	-	-	0	0
	SEMS	09/19/2023	0.250	0	0	0	-	-	0	0
<i>Lists of Federal CERCLA sites with NFRAP</i>										
	SEMS-ARCHIVE	09/19/2023	0.250	0	0	0	-	-	0	0
<i>Lists of Federal RCRA facilities undergoing Corrective Action</i>										
	CORRACTS	07/24/2023	0.250	0	0	0	-	-	0	0
<i>Lists of Federal RCRA TSD facilities</i>										
	RCRA-TSDF	07/24/2023	0.250	0	0	0	-	-	0	0
<i>Lists of Federal RCRA generators</i>										
	RCRA-LQG	07/24/2023	0.250	0	0	0	-	-	0	0
	RCRA-SQG	07/24/2023	0.250	0	0	0	-	-	0	0
	RCRA-VSQG	07/24/2023	0.250	0	0	0	-	-	0	0
<i>Federal institutional controls / engineering controls registries</i>										
	LUCIS	08/03/2023	0.250	0	0	0	-	-	0	0
	US ENG CONTROLS	08/21/2023	0.250	0	0	0	-	-	0	0
	US INST CONTROLS	08/21/2023	0.250	0	0	0	-	-	0	0
<i>Federal ERNS list</i>										
	ERNS	06/12/2023	TP	0	-	-	-	-	0	0
<i>Lists of state- and tribal hazardous waste facilities</i>										
	SSU	03/23/2022	0.250	0	0	0	-	-	0	0
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>										
	CCDD	09/11/2020	0.250	0	0	0	-	-	0	0

Search Summary

TARGET SITE: INDIAN CREEK ROAD FROM SENECA W TO CITY LIMIT
LAKE ZURICH, IL 60047

Category	Database	Update	Radius	Site	1/8	1/4	1/2	> 1/2	Orphan	TOTALS
	SWF/LF	12/31/2021	0.250	0	0	0	-	-	0	0
	LF SPECIAL WASTE	01/01/1990	0.250	0	0	0	-	-	0	0
	IL NIPC	08/01/1988	0.250	0	0	0	-	-	0	0
<i>Lists of state and tribal leaking storage tanks</i>										
	LUST	07/17/2023	0.250	0	0	0	-	-	1	1
	INDIAN LUST	04/20/2023	0.250	0	0	0	-	-	0	0
	LUST TRUST	06/06/2016	0.250	0	0	0	-	-	0	0
<i>Lists of state and tribal registered storage tanks</i>										
	FEMA UST	03/08/2023	0.250	0	0	0	-	-	0	0
	UST	07/17/2023	0.250	0	0	0	-	-	0	0
	AST	07/05/2023	0.250	0	0	0	-	-	0	0
	INDIAN UST	04/20/2023	0.250	0	0	0	-	-	0	0
<i>State and tribal institutional control / engineering control registries</i>										
	ENG CONTROLS	06/26/2023	0.250	0	0	0	-	-	0	0
	INST CONTROL	06/26/2023	0.250	0	0	0	-	-	0	0
<i>Lists of state and tribal voluntary cleanup sites</i>										
	INDIAN VCP	07/27/2015	0.250	0	0	0	-	-	0	0
	SRP	06/26/2023	0.250	0	0	0	-	-	0	0
<i>Lists of state and tribal brownfield sites</i>										
	BROWNFIELDS	02/11/2010	0.250	0	0	0	-	-	0	0
<i>Local Brownfield lists</i>										
	US BROWNFIELDS	04/06/2023	0.250	0	0	0	-	-	0	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>										
	INDIAN ODI	12/31/1998	0.250	0	0	0	-	-	0	0
	DEBRIS REGION 9	01/12/2009	0.250	0	0	0	-	-	0	0
	ODI	06/30/1985	0.250	0	0	0	-	-	0	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>										
	US HIST CDL	08/21/2023	TP	0	-	-	-	-	0	0
	CDL	07/01/2023	TP	0	-	-	-	-	0	0
	US CDL	08/21/2023	TP	0	-	-	-	-	0	0
<i>Local Land Records</i>										
	LIENS 2	09/19/2023	TP	0	-	-	-	-	0	0

Search Summary

**TARGET SITE: INDIAN CREEK ROAD FROM SENECA W TO CITY LIMIT
LAKE ZURICH, IL 60047**

Category	Database	Update	Radius	Site	1/8	1/4	1/2	> 1/2	Orphan	TOTALS
Records of Emergency Release Reports										
	HMIRS	09/18/2023	TP	0	-	-	-	-	0	0
	SPILLS	07/06/2023	TP	0	-	-	-	-	1	1
	SPILLS 90	07/18/2012	TP	0	-	-	-	-	0	0
Other Ascertainable Records										
	RCRA NonGen / NLR	07/24/2023	0.250	0	0	0	-	-	0	0
	FUDS	08/07/2023	0.250	0	0	0	-	-	0	0
	DOD	06/07/2021	0.250	0	0	0	-	-	0	0
	SCRD DRYCLEANERS	07/30/2021	0.250	0	0	0	-	-	0	0
	US FIN ASSUR	06/19/2023	TP	0	-	-	-	-	0	0
	EPA WATCH LIST	08/30/2013	TP	0	-	-	-	-	0	0
	2020 COR ACTION	09/30/2017	0.250	0	0	0	-	-	0	0
	TSCA	12/31/2020	TP	0	-	-	-	-	0	0
	TRIS	12/31/2021	TP	0	-	-	-	-	0	0
	SSTS	07/17/2023	TP	0	-	-	-	-	0	0
	ROD	09/19/2023	0.250	0	0	0	-	-	0	0
	RMP	05/09/2023	TP	0	-	-	-	-	0	0
	RAATS	04/17/1995	TP	0	-	-	-	-	0	0
	PRP	09/19/2023	TP	0	-	-	-	-	0	0
	PADS	03/20/2023	TP	0	-	-	-	-	0	0
	ICIS	11/18/2016	TP	0	-	-	-	-	0	0
	FTTS	04/09/2009	TP	0	-	-	-	-	0	0
	MLTS	07/20/2023	TP	0	-	-	-	-	0	0
	COAL ASH DOE	12/31/2021	TP	0	-	-	-	-	0	0
	COAL ASH EPA	01/12/2017	0.250	0	0	0	-	-	0	0
	PCB TRANSFORMER	09/13/2019	TP	0	-	-	-	-	0	0
	RADINFO	07/01/2019	TP	0	-	-	-	-	0	0
	HIST FTTS	10/19/2006	TP	0	-	-	-	-	0	0
	DOT OPS	01/02/2020	TP	0	-	-	-	-	0	0
	CONSENT	06/30/2023	0.250	0	0	0	-	-	0	0
	INDIAN RESERV	12/31/2014	0.250	0	0	0	-	-	0	0
	UMTRA	08/30/2019	0.250	0	0	0	-	-	0	0
	LEAD SMELTERS	09/19/2023	TP	0	-	-	-	-	0	0
	US AIRS	10/12/2016	TP	0	-	-	-	-	0	0
	US MINES	08/01/2023	0.250	0	0	0	-	-	0	0
	FINDS	11/03/2023	TP	0	-	-	-	-	0	0
	AIRS	07/05/2023	TP	0	-	-	-	-	0	0
	BOL	12/02/2021	TP	0	-	-	-	-	0	0
	COAL ASH	10/01/2011	0.250	0	0	0	-	-	0	0
	DRYCLEANERS	08/03/2023	0.250	0	0	0	-	-	0	0
	Financial Assurance	08/22/2023	TP	0	-	-	-	-	0	0

Search Summary

TARGET SITE: INDIAN CREEK ROAD FROM SENECA W TO CITY LIMIT
LAKE ZURICH, IL 60047

Category	Database	Update	Radius	Site	1/8	1/4	1/2	> 1/2	Orphan	TOTALS
	HWAR	12/31/2019	TP	0	-	-	-	-	0	0
	IMPDMENT	12/31/1980	0.250	0	0	0	-	-	0	0
	NPDES	04/16/2014	TP	0	-	-	-	-	0	0
	PIMW	06/08/2023	0.250	0	0	0	-	-	0	0
	TIER 2	12/31/2022	TP	0	-	-	-	-	0	0
	UIC	08/30/2021	TP	0	-	-	-	-	0	0
EDR Exclusive Records										
	EDR MGP	08/28/2009	0.250	0	0	0	-	-	0	0
	EDR Hist Auto	02/20/2007	0.250	0	0	0	-	-	0	0
	EDR Hist Cleaner	02/20/2007	0.250	0	0	0	-	-	0	0
Exclusive Recovered Govt. Archives										
	RGA HWS		TP	0	-	-	-	-	0	0
	RGA LF		TP	0	-	-	-	-	0	0
	RGA LUST		TP	0	-	-	-	-	0	0
	- Totals --			0	0	0	0	0	2	2

Sites Sorted by Distance

TARGET PROPERTY ADDRESS:

INDIAN CREEK ROAD FROM SENECA W TO CITY LIMIT
LAKE ZURICH, IL 60047

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft, mi.) DIRECTION
-----------	-----------	---------	-------------------	-----------------------	-----------------------------

NO MAPPED SITES FOUND

Sites Sorted by Database

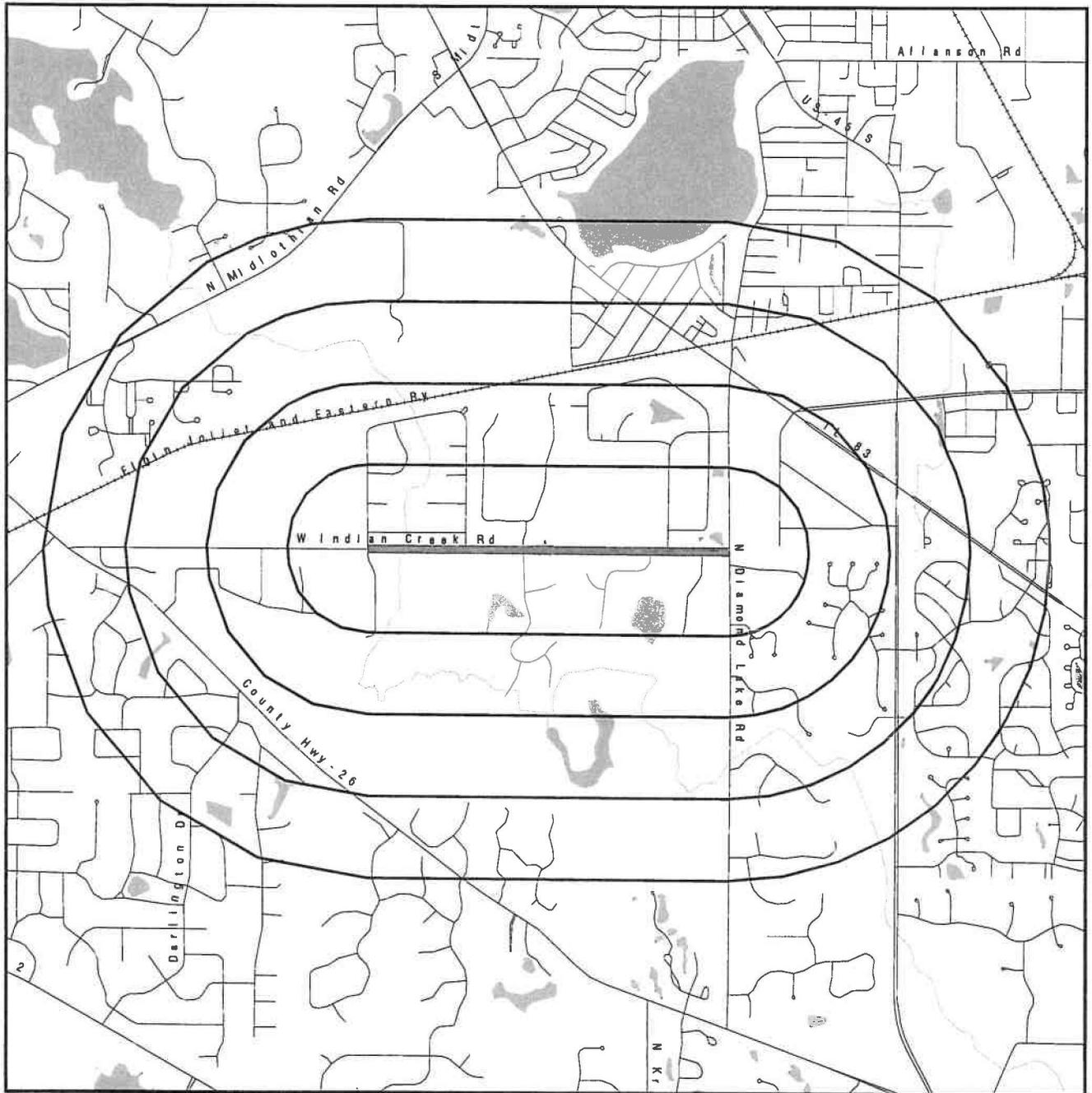
TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

SURROUNDING SITES: SEARCH RESULTS

1.00 Mile Map

INDIAN CREEK ROAD FROM SENECA W TO CITY LIMIT LAKE ZURICH, IL 60047



Black Rings Represent Qtr. Mile Radius

- ★ Target Property (Latitude: 42.233491 Longitude: 88.015344)
- ▲ High or Equal Elevation Sites
- ▨ Indian Reservations BIA
- Low Elevation Sites
- ▩ National Priority List Sites
- ▩ Dept. Defense Sites

Mapped Site Details

Target Property: INDIAN CREEK ROAD FROM SENECA W TO CITY LIMIT
LAKE ZURICH, IL 60047
NO SITES FOUND

ORPHAN SUMMARY

Count: 1 records.

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MUNDELEIN	S111906973	MUNDELEIN DISPOSAL	20660 INDIAN CREEK ROAD	60060	LUST, SPILLS

RECORDS SEARCHED / DATA CURRENCY TRACKING

ST	Acronym	Full Name	Gov Date	Actl Date	Active Date	Last EDR Contact
IL	AIRS	Air Inventory Listing	07/05/2023	07/06/2023	09/20/2023	09/21/2023
IL	AST	Above Ground Storage Tanks	07/05/2023	08/14/2023	10/31/2023	11/08/2023
IL	BOL	Bureau of Land Inventory Database	12/02/2021	12/14/2021	03/01/2022	11/15/2023
IL	BROWNFIELDS	Redevelopment Assessment Database	07/17/2023	07/18/2023	10/03/2023	10/17/2023
IL	BROWNFIELDS	Municipal Brownfields Redevelopment Grant Program Project De	02/11/2010	07/31/2014	09/08/2014	10/19/2023
IL	CCDD	Clean Construction or Demolition Debris	09/11/2020	10/28/2020	12/09/2020	10/02/2023
IL	CDL	Meth Drug Lab Site Listing	07/01/2023	07/05/2023	09/20/2023	09/27/2023
IL	COAL ASH	Coal Ash Site Listing	10/01/2011	03/09/2012	04/10/2012	11/15/2023
IL	DRYCLEANERS	Illinois Licensed Drycleaners	08/03/2023	08/15/2023	10/31/2023	11/01/2023
IL	ENG CONTROLS	Sites with Engineering Controls	06/26/2023	06/26/2023	09/13/2023	09/26/2023
IL	Financial Assurance	Financial Assurance Information Listing	08/22/2023	08/24/2023	09/20/2023	11/08/2023
IL	HWAR	Hazard Waste Annual Report	12/31/2019	05/11/2021	08/02/2021	09/27/2023
IL	IEMA SPILLS	Illinois Emergency Management Agency Spills	07/24/2023	07/25/2023	10/13/2023	10/24/2023
IL	IL NIPC	Solid Waste Landfill Inventory	08/01/1988	04/07/2022	07/01/2022	04/07/2022
IL	IMPDMNT	Surface Impoundment Inventory	12/31/1980	03/08/2002	06/03/2002	05/12/2022
IL	Inst Control	Institutional Controls	06/26/2023	06/26/2023	09/13/2023	09/26/2023
IL	LF SPECIAL WASTE	Special Waste Site List	01/01/1990	06/17/2009	07/15/2009	06/10/2009
IL	LF WMRC	Waste Management & Research Center Landfill Database	12/31/2001	10/06/2006	11/06/2006	09/18/2009
IL	LUST	Leaking Underground Storage Tank Sites	07/17/2023	07/18/2023	10/03/2023	10/17/2023
IL	LUST TRUST	Underground Storage Tank Fund Payment Priority List	06/06/2016	07/27/2016	10/18/2016	10/10/2023
IL	NPDES	A Listing of Active Permits	04/16/2014	04/18/2014	05/20/2014	09/21/2023
IL	PFAS	PFAS Sampling Listing	06/28/2023	07/07/2023	07/20/2023	09/07/2023
IL	PIMW	Potentially Infectious Medical Waste	06/08/2023	06/14/2023	09/01/2023	09/11/2023
IL	RGH HWS	Recovered Government Archive State Hazardous Waste Facilitie	07/01/2013	07/01/2013	12/30/2013	06/01/2012
IL	RGH LF	Recovered Government Archive Solid Waste Facilities List	07/01/2013	07/01/2013	12/30/2013	06/01/2012
IL	SPILLS	Recovered Government Archive Leaking Underground Storage Tan	07/01/2013	07/01/2013	12/30/2013	06/01/2012
IL	SPILLS 90	State spills	07/06/2023	07/07/2023	09/20/2023	09/27/2023
IL	SRP	SPILLS90 data from FirstSearch	07/18/2012	01/03/2013	03/15/2013	01/03/2013
IL	SSU	Site Remediation Program Database	06/26/2023	06/26/2023	09/13/2023	09/26/2023
IL	SWF/LF	State Sites Unit Listing	03/23/2022	03/23/2022	06/17/2022	10/16/2023
IL	TIER 2	Available Disposal for Solid Waste in Illinois - Solid Waste	12/31/2021	10/19/2022	01/05/2023	10/17/2023
IL	UIC	Tier 2 Information Listing	12/31/2022	05/09/2023	08/02/2023	11/02/2023
IL	UST	Underground Injection Wells	08/30/2021	12/15/2021	03/01/2022	11/08/2023
US	2020 COR ACTION	Underground Storage Tank Facility List	07/17/2023	07/18/2023	10/03/2023	10/17/2023
US	AQUEOUS FOAM NRC	2020 Corrective Action Program List	09/30/2017	05/08/2018	07/20/2018	11/03/2023
US	BIOSOLIDS	Aqueous Foam Related Incidents Listing	07/05/2023	07/06/2023	09/25/2023	10/03/2023
US	BRS	ICIS-NPDES Biosolids Facility Data	07/16/2023	07/18/2023	08/28/2023	10/03/2023
US	COAL ASH DOE	Biennial Reporting System	12/31/2021	03/09/2023	03/20/2023	09/20/2023
US	COAL ASH EPA	Steam-Electric Plant Operation Data	12/31/2021	04/14/2023	07/10/2023	11/27/2023
US	CONSENT	Coal Combustion Residues Surface Impoundments List	01/12/2017	03/05/2019	11/11/2019	11/27/2023
US	CORRACTS	Superfund (CERCLA) Consent Decrees	06/30/2023	07/19/2023	10/10/2023	10/03/2023
US	DEBRIS REGION 9	Corrective Action Report	07/24/2023	07/31/2023	08/14/2023	09/20/2023
US	DOD	Torres Martinez Reservation Illegal Dump Site Locations	01/12/2009	05/07/2009	09/21/2009	10/10/2023
US	DOT OPS	Department of Defense Sites	06/07/2021	07/13/2021	03/09/2022	10/09/2023
US	Delisted NPL	Incident and Accident Data	01/02/2020	01/28/2020	04/17/2020	10/04/2023
US	EDR Hist Auto	National Priority List Deletions	09/19/2023	10/03/2023	10/19/2023	11/01/2023
		EDR Exclusive Historical Auto Stations				

RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Gov Date	Acvl Date	Active Date	Last EDR Contact
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	08/30/2013	03/21/2014	06/17/2014	10/31/2023
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	06/12/2023	06/20/2023	08/14/2023	09/20/2023
US	EPA WATCH LIST	EPA WATCH LIST	06/23/2023	06/23/2023	09/20/2023	09/26/2023
US	ERNS	Emergency Response Notification System	04/02/2018	04/11/2018	11/06/2019	10/04/2023
US	FEDERAL FACILITY	Federal Facility Site Information listing	03/08/2023	03/09/2023	05/30/2023	10/10/2023
US	FEDLAND	Federal and Indian Lands	11/03/2023	11/08/2023	11/20/2023	11/08/2023
US	FEMA UST	Underground Storage Tank Listing	04/09/2009	04/16/2009	05/11/2009	08/18/2017
US	FINDS	Facility Index System/Facility Registry System	04/09/2009	04/16/2009	05/11/2009	08/18/2017
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	08/07/2023	08/15/2023	10/10/2023	11/10/2023
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	10/19/2006	03/01/2007	04/10/2007	12/17/2007
US	FUDS	Formerly Used Defense Sites	10/19/2006	03/01/2007	04/10/2007	12/17/2007
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	09/18/2023	09/20/2023	11/14/2023	09/20/2023
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	11/18/2016	11/23/2016	02/10/2017	09/27/2023
US	HMIRS	Hazardous Materials Information Reporting System	04/20/2023	05/09/2023	07/14/2023	10/11/2023
US	ICIS	Integrated Compliance Information System	04/20/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	04/20/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	04/20/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	04/20/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	04/14/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	04/26/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	04/25/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	04/19/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	04/19/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	12/31/1998	12/03/2007	01/24/2008	10/23/2023
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	12/31/2014	07/14/2015	01/10/2017	10/02/2023
US	INDIAN RESERV	Indian Reservations	04/20/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	04/20/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	04/20/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	04/20/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	04/14/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	04/26/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	04/25/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	04/19/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	04/19/2023	05/09/2023	07/14/2023	10/11/2023
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	07/27/2015	09/29/2015	02/18/2016	09/12/2023
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	03/20/2008	04/22/2008	05/19/2008	07/08/2021
US	INDIAN VCP R7	Voluntary Cleanup Priority Listing	09/19/2023	10/03/2023	10/19/2023	11/01/2023
US	LEAD SMELTER 1	Lead Smelter Sites	04/05/2001	10/27/2010	12/02/2010	12/02/2009
US	LEAD SMELTER 2	Lead Smelter Sites	09/19/2023	10/03/2023	10/19/2023	11/01/2023
US	LIENS 2	GERCLA Lien Information	08/03/2023	08/07/2023	10/10/2023	11/02/2023
US	LUCIS	Land Use Control Information System	08/23/2022	11/22/2022	02/28/2023	11/20/2023
US	MINES MRDS	Mineral Resources Data System	07/05/2023	07/05/2023	09/25/2023	10/04/2023
US	MINES VIOLATIONS	MSHA Violation Assessment Data	07/20/2023	09/01/2023	09/20/2023	10/10/2023
US	MLTS	Material Licensing Tracking System	09/19/2023	10/03/2023	10/19/2023	11/01/2023
US	NPL	National Priority List	10/15/1991	02/02/1994	03/30/1994	08/15/2011
US	NPL LIENS	Federal Superfund Liens	06/30/1985	08/09/2004	09/17/2004	06/09/2004
US	ODI	Open Dump Inventory	03/20/2023	04/04/2023	06/09/2023	10/06/2023
US	PADS	PCB Activity Database System	09/13/2019	11/06/2019	02/10/2020	11/03/2023
US	PCB TRANSFORMER	PCB Transformer Registration Database				

RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Gov Date	Avl Date	Active Date	Last EDR Contact
US	PCS	Permit Compliance System	07/14/2011	08/05/2011	09/29/2011	09/28/2023
US	PCS ENF	Enforcement data	12/31/2014	02/05/2015	03/06/2015	09/28/2023
US	PFAS ATSDR	PFAS Contamination Site Location Listing	06/24/2020	03/17/2021	11/08/2022	10/23/2023
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	07/05/2023	07/05/2023	09/25/2023	10/03/2023
US	PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing	07/05/2023	07/05/2023	09/25/2023	10/03/2023
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	07/05/2023	07/05/2023	10/02/2023	10/03/2023
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	07/05/2023	07/05/2023	10/02/2023	10/03/2023
US	PFAS NPL	Superfund Sites with PFAS Detections Information	07/05/2023	07/05/2023	10/02/2023	10/03/2023
US	PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	07/05/2023	07/05/2023	09/25/2023	10/03/2023
US	PFAS RCRA MANIFEST	PFAS Transfers Identified in the RCRA Database Listing	07/05/2023	07/05/2023	10/02/2023	10/03/2023
US	PFAS TRIS	List of PFAS Added to the TRI	07/05/2023	07/05/2023	10/02/2023	10/03/2023
US	PFAS TSCA	PFAS Manufacture and Imports Information	07/05/2023	07/05/2023	10/02/2023	10/03/2023
US	PFAS WQP	Ambient Environmental Sampling for PFAS	09/23/2023	10/03/2023	10/10/2023	10/03/2023
US	PRP	Potentially Responsible Parties	09/19/2023	10/03/2023	10/19/2023	11/01/2023
US	Proposed NPL	Proposed National Priority List Sites	09/19/2023	10/03/2023	10/19/2023	11/01/2023
US	RAATS	RCRA Administrative Action Tracking System	04/17/1995	07/03/1995	08/07/1995	06/02/2008
US	RADINFO	Radiation Information Database	07/01/2019	07/01/2019	09/23/2019	09/22/2023
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	07/24/2023	07/31/2023	08/14/2023	09/20/2023
US	RCRA-LQG	RCRA - Large Quantity Generators	07/24/2023	07/31/2023	08/14/2023	09/20/2023
US	RCRA-SQG	RCRA - Small Quantity Generators	07/24/2023	07/31/2023	08/14/2023	09/20/2023
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	07/24/2023	07/31/2023	08/14/2023	09/20/2023
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditional	07/24/2023	07/31/2023	08/14/2023	09/20/2023
US	RMP	Risk Management Plans	05/09/2023	06/29/2023	09/25/2023	09/26/2023
US	ROD	Records Of Decision	09/19/2023	10/03/2023	10/19/2023	11/01/2023
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	07/30/2021	02/03/2023	02/10/2023	11/08/2023
US	SEMS	Superfund Enterprise Management System	09/19/2023	10/03/2023	10/19/2023	11/02/2023
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	09/19/2023	10/03/2023	10/19/2023	11/02/2023
US	SSTS	Section 7 Tracking Systems	07/17/2023	07/18/2023	10/10/2023	10/20/2023
US	TRIS	Toxic Chemical Release Inventory System	12/31/2021	08/18/2023	11/07/2023	11/13/2023
US	TSCA	Toxic Substances Control Act	12/31/2020	06/14/2022	03/24/2023	09/15/2023
US	UMTRA	Uranium Mill Tailings Sites	08/30/2019	11/15/2019	01/28/2020	11/09/2023
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (10/12/2016	10/26/2016	02/03/2017	09/26/2017
US	US AIRS MINOR	Air Facility System Data	10/12/2016	10/26/2016	02/03/2017	09/26/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	04/06/2023	04/13/2023	04/19/2023	08/30/2023
US	US CDL	Clandestine Drug Labs	08/21/2023	08/21/2023	11/07/2023	11/17/2023
US	US ENG CONTROLS	Engineering Controls Sites List	08/21/2023	08/21/2023	11/07/2023	11/17/2023
US	US FIN ASSUR	Financial Assurance Information	06/19/2023	06/20/2023	08/14/2023	09/20/2023
US	US HIST CDL	National Clandestine Laboratory Register	08/21/2023	08/21/2023	11/07/2023	11/17/2023
US	US INST CONTROLS	Institutional Controls Sites List	08/21/2023	08/21/2023	11/07/2023	11/17/2023
US	US MINES	Mines Master Index File	08/01/2023	08/22/2023	11/07/2023	11/17/2023
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	01/07/2022	02/24/2023	05/17/2023	11/20/2023
US	US MINES 3	Active Mines & Mineral Plants Database Listing	04/14/2011	06/08/2011	09/13/2011	11/20/2023

RECORDS SEARCHED / DATA CURRENCY TRACKING

St Acronym Full Name Gov Date Arvl Date Active Date Last EDR Contact

STREET AND ADDRESS INFORMATION

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Database Descriptions

NPL: NPL National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices. NPL - National Priority List Proposed NPL - Proposed National Priority List Sites. NPL LIENS - Federal Superfund Liens.

NPL Delisted: Delisted NPL The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Delisted NPL - National Priority List Deletions

CERCLIS: FEDERAL FACILITY A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities. FEDERAL FACILITY - Federal Facility Site Information listing SEMS - Superfund Enterprise Management System.

NFRAP: SEMS-ARCHIVE SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site. SEMS-ARCHIVE - Superfund Enterprise Management System Archive

RCRA COR ACT: CORRACTS CORRACTS identifies hazardous waste handlers with RCRA corrective action activity. CORRACTS - Corrective Action Report

RCRA TSD: RCRA-TSDF RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste. RCRA-TSDF - RCRA - Treatment, Storage and Disposal

RCRA GEN: RCRA-LQG RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. RCRA-LQG - RCRA - Large Quantity Generators RCRA-SQG - RCRA - Small Quantity Generators. RCRA-VSQG - RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators).

Federal IC / EC: LUCIS LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties. LUCIS - Land Use Control Information System US ENG CONTROLS - Engineering Controls Sites List. US INST CONTROLS - Institutional Controls Sites List.

ERNS: ERNS Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances. ERNS - Emergency Response Notification System

Database Descriptions

State/Tribal CERCLIS: SSU The State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit. SSU - State Sites Unit Listing

State/Tribal SWL: CCDD SWF/LF - Available Disposal for Solid Waste in Illinois - Solid Waste Landfills Subject to State Surcharge. LF WMRC - Waste Management & Research Center Landfill Database. The Waste Management & Research Center Landfill Database includes records from the Department of Public Health, Department of Mines & Minerals, Illinois Environmental Protection Agency, State Geological Survey, Northeastern Illinois Planning Commission and Pollution Control Board. LF WMRC - Waste Management & Research Center Landfill Database LF SPECIAL WASTE - Special Waste Site List. IL NIPC - Solid Waste Landfill Inventory.

State/Tribal LTANKS: LUST Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. LUST - Leaking Underground Storage Tank Sites INDIAN LUST R6 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R10 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R7 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R8 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R9 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R5 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R1 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R4 - Leaking Underground Storage Tanks on Indian Land. LUST TRUST - Underground Storage Tank Fund Payment Priority List.

State/Tribal Tanks: FEMA UST A listing of all FEMA owned underground storage tanks. FEMA UST - Underground Storage Tank Listing UST - Underground Storage Tank Facility List. AST - Above Ground Storage Tanks. INDIAN UST R5 - Underground Storage Tanks on Indian Land. INDIAN UST R8 - Underground Storage Tanks on Indian Land. INDIAN UST R6 - Underground Storage Tanks on Indian Land. INDIAN UST R10 - Underground Storage Tanks on Indian Land. INDIAN UST R7 - Underground Storage Tanks on Indian Land. INDIAN UST R4 - Underground Storage Tanks on Indian Land. INDIAN UST R9 - Underground Storage Tanks on Indian Land. INDIAN UST R1 - Underground Storage Tanks on Indian Land.

State/Tribal IC / EC: ENG CONTROLS Sites using of engineered barriers (e.g., asphalt or concrete paving). ENG CONTROLS - Sites with Engineering Controls Inst Control - Institutional Controls.

State/Tribal VCP: INDIAN VCP R1 SRP - Site Remediation Program Database. INDIAN VCP R7 - Voluntary Cleanup Priority Listing. The database identifies the status of all voluntary remediation projects administered through the pre-notice site cleanup program (1989 to 1995) and the site remediation program (1996 to the present). INDIAN VCP R7 - Site Remediation Program Database

ST/Tribal Brownfields: BROWNFIELDS The Illinois Municipal Brownfields Redevelopment Grant Program (MBRGP) offers grants worth a maximum of \$240,000 each to municipalities to assist in site investigation activities, development of cleanup objectives, and performance of cleanup activities. Brownfields are abandoned or underused industrial and/or commercial properties that are contaminated (or thought to be contaminated) and have an active potential for redevelopment. BROWNFIELDS - Municipal Brownfields Redevelopment Grant Program Project Descriptions BROWNFIELDS - Redevelopment Assessment Database.

US Brownfields: US BROWNFIELDS Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs. US BROWNFIELDS - A Listing of Brownfields Sites

Other SWF: INDIAN ODI Location of open dumps on Indian land. INDIAN ODI - Report on the Status of Open Dumps on Indian Lands DEBRIS REGION 9 - Torres Martinez Reservation Illegal Dump Site Locations. ODI - Open Dump Inventory.

Database Descriptions

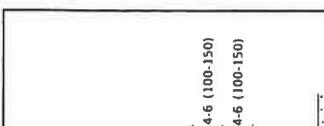
Other Haz Sites: US HIST CDL A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register. US HIST CDL - National Clandestine Laboratory Register CDL - Meth Drug Lab Site Listing. US CDL - Clandestine Drug Labs.

Local Land Records: LIENS 2 A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties. LIENS 2 - CERCLA Lien Information

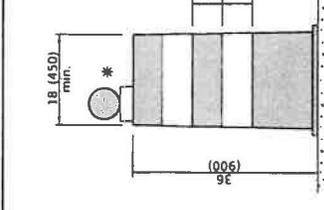
Spills: HMIRS Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT. HMIRS - Hazardous Materials Information Reporting System CHICAGO COMPLAINTS - CDPH Environmental Complaints Listing. SPILLS - State spills. IEMA SPILLS - Illinois Emergency Management Agency Spills. SPILLS 90 - SPILLS90 data from FirstSearch.

Other: RCRA NonGen / NLR RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste. RCRA NonGen / NLR - RCRA - Non Generators / No Longer Regulated FUDS - Formerly Used Defense Sites. DOD - Department of Defense Sites. FEDLAND - Federal and Indian Lands. SCRD DRYCLEANERS - State Coalition for Remediation of Drycleaners Listing. US FIN ASSUR - Financial Assurance Information. EPA WATCH LIST - EPA WATCH LIST. 2020 COR ACTION - 2020 Corrective Action Program List. TSCA - Toxic Substances Control Act. TRIS - Toxic Chemical Release Inventory System. SSTS - Section 7 Tracking Systems. ROD - Records Of Decision. RMP - Risk Management Plans. RAATS - RCRA Administrative Action Tracking System. PRP - Potentially Responsible Parties. PADS - PCB Activity Database System. ICIS - Integrated Compliance Information System. FTTS - FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act). FTTS INSP - FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act). MLTS - Material Licensing Tracking System. COAL ASH DOE - Steam-Electric Plant Operation Data. COAL ASH EPA - Coal Combustion Residues Surface Impoundments List. PCB TRANSFORMER - PCB Transformer Registration Database. RADINFO - Radiation Information Database. HIST FTTS - FIFRA/TSCA Tracking System Administrative Case Listing. HIST FTTS INSP - FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing. DOT OPS - Incident and Accident Data. CONSENT - Superfund (CERCLA) Consent Decrees. BRS - Biennial Reporting System. INDIAN RESERV - Indian Reservations. UMTRA - Uranium Mill Tailings Sites. LEAD SMELTER 1 - Lead Smelter Sites. LEAD SMELTER 2 - Lead Smelter Sites. US AIRS (AFS) - Aerometric Information Retrieval System Facility Subsystem (AFS). US AIRS MINOR - Air Facility System Data. MINES VIOLATIONS - MSHA Violation Assessment Data. US MINES - Mines Master Index File. US MINES 2 - Ferrous and Nonferrous Metal Mines Database Listing. US MINES 3 - Active Mines & Mineral Plants Database Listing. MINES MRDS - Mineral Resources Data System. FINDS - Facility Index System/Facility Registry System. PFAS NPL - Superfund Sites with PFAS Detections Information. PFAS FEDERAL SITES - Federal Sites PFAS Information. PFAS TRIS - List of PFAS Added to the TRI. PFAS TSCA - PFAS Manufacture and Imports Information. PFAS RCRA MANIFEST - PFAS Transfers Identified In the RCRA Database Listing. PFAS ATSDR - PFAS Contamination Site Location Listing. PFAS WQP - Ambient Environmental Sampling for PFAS. PFAS NPDES - Clean Water Act Discharge Monitoring Information. PFAS ECHO - Facilities in Industries that May Be Handling PFAS Listing. PFAS ECHO FIRE TRAINING - Facilities in Industries that May Be Handling PFAS Listing. PFAS PART 139 AIRPORT - All Certified Part 139 Airports PFAS Information Listing. AQUEOUS FOAM NRC - Aqueous Foam Related Incidents Listing. PCS ENF - Enforcement data. PCS - Permit Compliance System. BIOSOLIDS - ICIS-NPDES Biosolids Facility Data. PFAS - PFAS Sampling Listing. AIRS - Air Inventory Listing. BOL - Bureau of Land Inventory Database. COAL ASH - Coal Ash Site Listing. DRYCLEANERS - Illinois Licensed Drycleaners. CHICAGO INSPECT - CDPH Environmental Inspections Listing. Financial Assurance - Financial Assurance Information Listing. HWAR - Hazard Waste Annual Report. IMPDMENT - Surface Impoundment Inventory. NPDES - A Listing of Active Permits. PIMW - Potentially Infectious Medical Waste. TIER 2 - Tier 2 Information Listing. UIC - Underground Injection Wells.

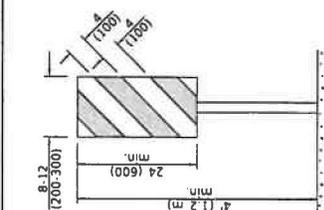
EDR Exclusive: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches. EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches. UIC - EDR Exclusive Historical Auto Stations EDR MGP - EDR Proprietary Manufactured Gas Plants. EDR Hist Auto - EDR Exclusive Historical Auto Stations. EDR Hist Cleaner - EDR Exclusive Historical Cleaners.



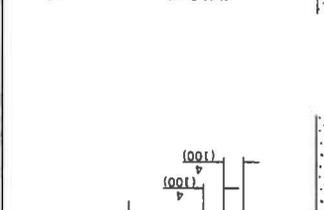
DRUM



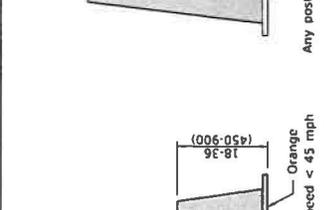
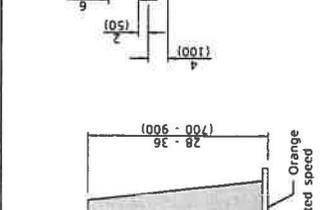
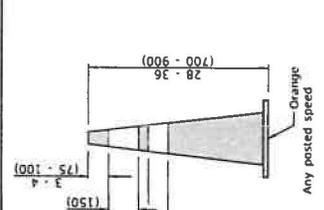
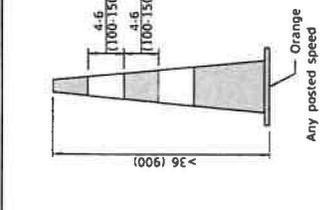
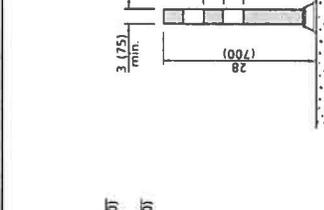
VERTICAL PANEL
POST MOUNTED



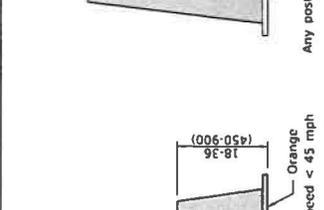
TUBULAR MARKER



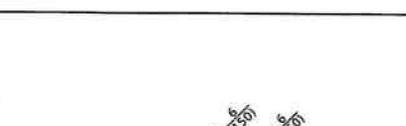
CONES
DAY OR NIGHTTIME USE



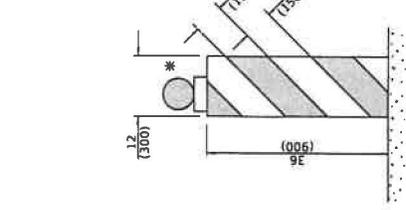
CONES
DAYTIME USE



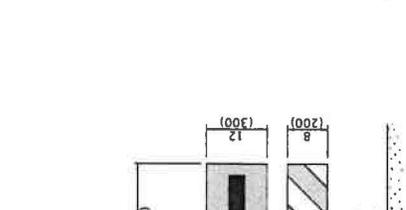
CONES
POSTED SPEED < 45 MPH



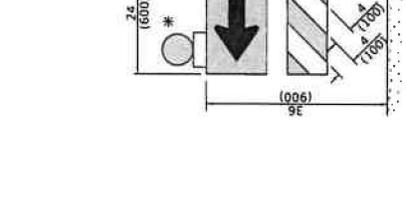
VERTICAL BARRICADE



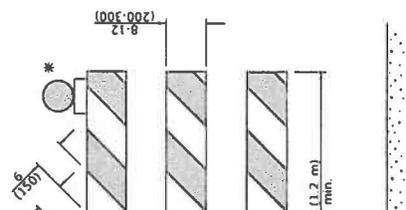
DIRECTION INDICATOR BARRICADE



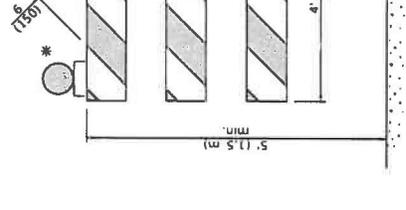
TYPE I BARRICADE



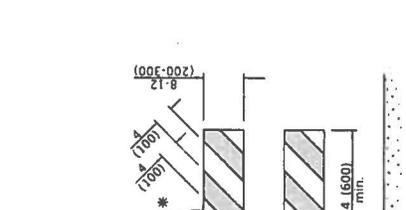
TYPE II BARRICADE



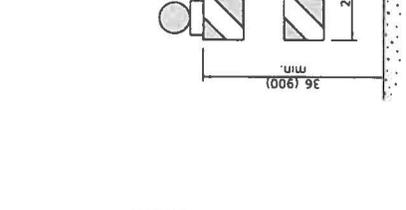
TYPE III BARRICADE



DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE



DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE



DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

GENERAL NOTES

All heights shown shall be measured above the pavement surface.
All dimensions are in inches (millimeters) unless otherwise shown.

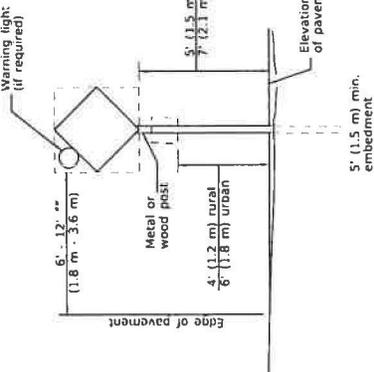
TRAFFIC CONTROL DEVICES		REVISIONS	
DATE	1-1-19	REVISED CONE USAGE AND ADDED CONES >36" (900 mm) HEIGHT.	
DATE	1-1-18	REVISED END WORK ZONE SPEED LIMIT SIGN FROM ORANGE TO WHITE BACKGROUND.	

APPROVED: [Signature] JANUARY 1, 2018
 ILLINOIS Department of Transportation
 ENGINEER OF SAFETY PROG. AND ENGINEERING
 APPROVED: [Signature] JANUARY 1, 2019
 REGISTERED PROFESSIONAL ENGINEER

DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

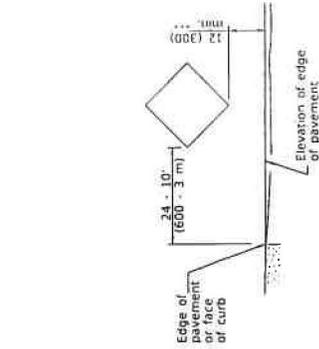
ISSUED: 1-1-19 (Sheet 1 of 3)

STANDARD 701901-08



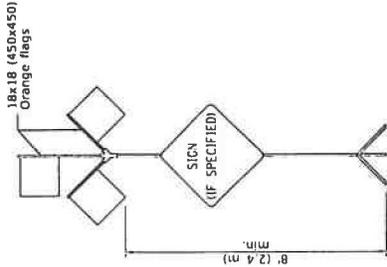
POST-MOUNTED SIGNS

** When curb or paved shoulder are present this dimension shall be 7' (2.1 m) to the outside edge of the paved shoulder.



SIGNS ON TEMPORARY SUPPORTS

*** When work operations exceed four days, this dimension shall be 5' (1.5 m) min. If located behind other devices, the height shall be sufficient to be seen completely above the devices.



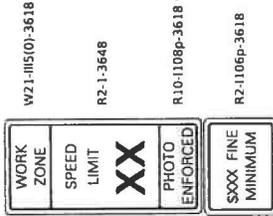
HIGH LEVEL WARNING DEVICE

ROAD CONSTRUCTION NEXT X MILES
G20-1104(0)-6036

END CONSTRUCTION
G20-1105(0)-6024

This signing is required for all projects 2 miles (3200 m) or more in length.
ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.
END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).
Dual sign displays shall be utilized on multi-lane highways.

WORK LIMIT SIGNING



W21-1105(0)-3618

R2-1-3648

R10-1108p-3618 ****

R2-1106p-3618

Sign assembly as shown on Standards or as allowed by District Operations.

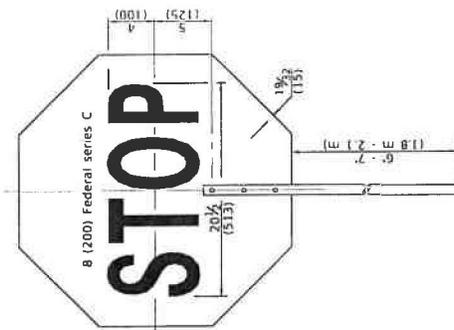
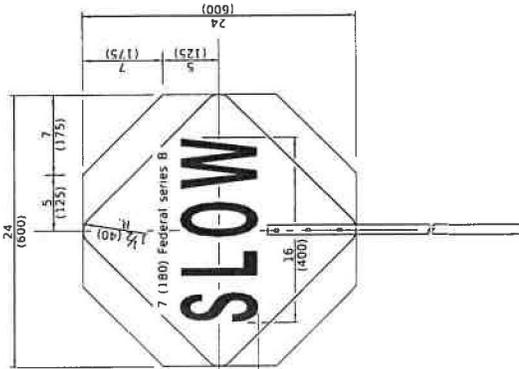


G20-1103-6036

This sign shall be used when the above sign assembly is used.

HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

**** R10-1108p shall only be used along roadways under the jurisdiction of the State.



FLAGGER TRAFFIC CONTROL SIGN



W12-1103-4848

WIDTH RESTRICTION SIGN

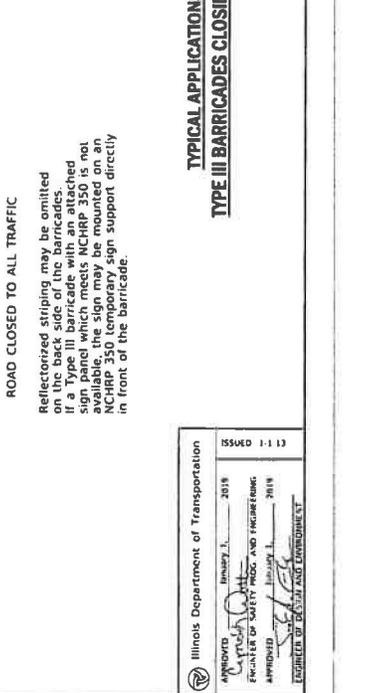
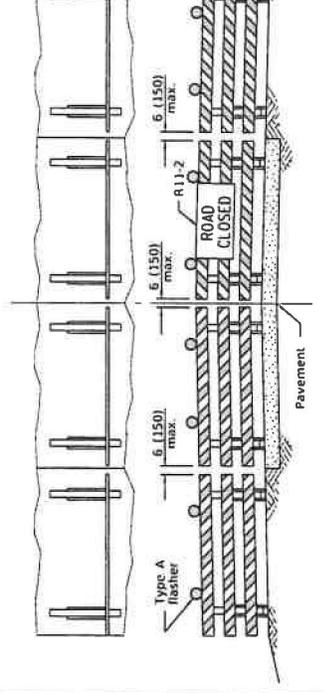
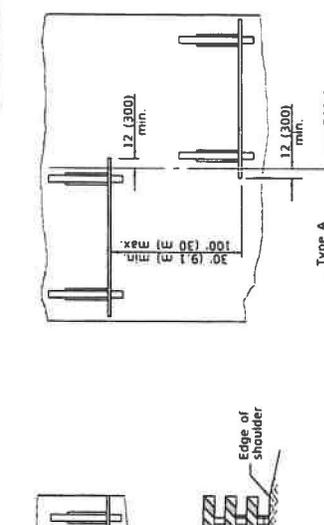
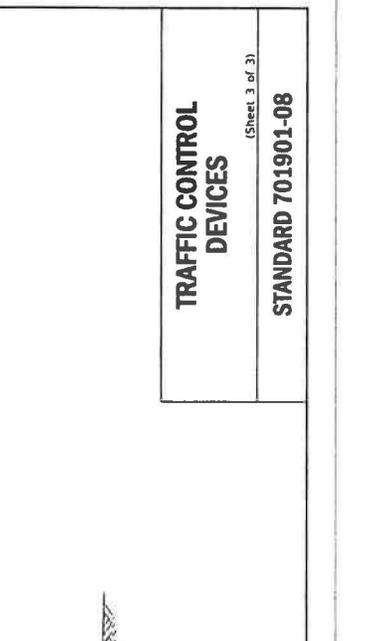
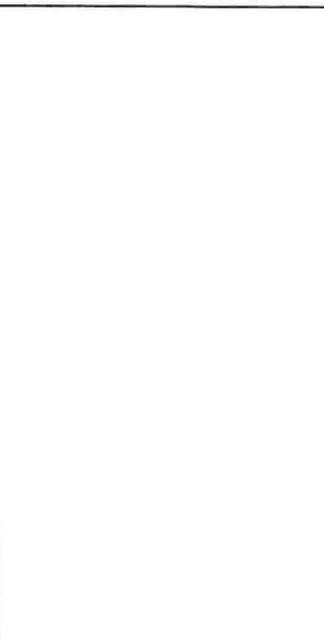
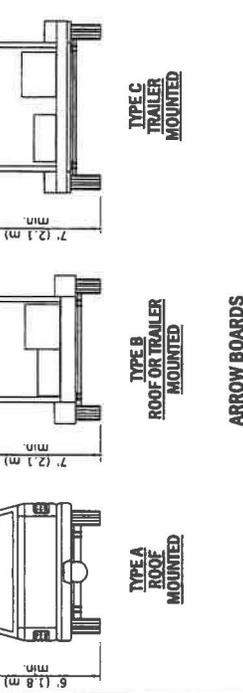
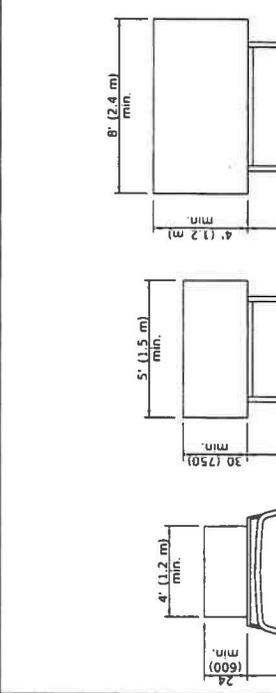
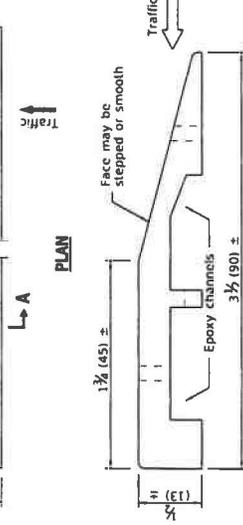
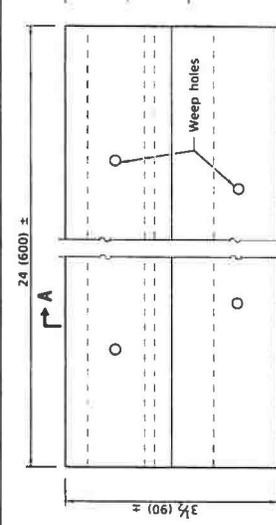
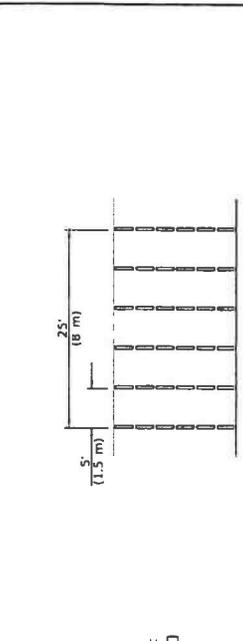
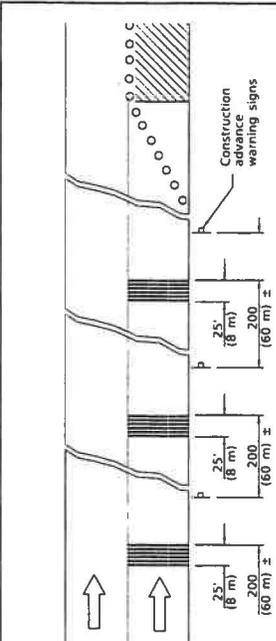
XX-XX- width and X miles are variable

Illinois Department of Transportation
 ISSUED 1113
 APPROVED: [Signature] 2014
 ENGINEER OF SURVEYING AND ENGINEERING
 APPROVED: [Signature] 2014
 ENGINEER OF DESIGN AND ENVIRONMENT

TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

STANDARD 701901-08



TRAFFIC CONTROL DEVICES
 STANDARD 701901-08
 (Sheet 3 of 3)

TEMPORARY RUMBLE STRIPS

ROAD CLOSED TO THRU TRAFFIC

ReflectORIZED striping shall appear on both sides of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the signs may be mounted on NCHRP 350 temporary sign supports directly in front of the barricade.

TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

ROAD CLOSED TO ALL TRAFFIC

ReflectORIZED striping may be omitted on the side of the road which is closed if a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the sign may be mounted on an NCHRP 350 temporary sign support directly in front of the barricade.

ROAD CLOSED TO THRU TRAFFIC

ReflectORIZED striping shall appear on both sides of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the signs may be mounted on NCHRP 350 temporary sign supports directly in front of the barricade.

Illinois Department of Transportation

APPROVED: [Signature] 2019

DESIGNED BY: [Signature] 2019

PROJECT OF SAFETY PROG. AND ENGINEERING: [Signature] 2019

APPROVED: [Signature] 2019

FOR THE DIRECTOR OF TRANSPORTATION

13 09555 1-1-1

